

CALIFORNIA TECHNOLOGY AGENCY

1325 J Street, Suite 1600
 Sacramento, CA 95814
 (916) 319-9223



May 2, 2011

Ms. Cindy McKim
 Director
 Department of Transportation
 P.O. Box 942873
 Sacramento, Ca 94273-001

Dear Ms. McKim:

Special Project Report for the Construction Management System (CMS) Project, Project Number 2660-415

The California Technology Agency (Technology Agency) approves the continuation of the Construction Management System project as presented in the February 2011 Special Project Report (SPR), subject to the conditions specified in this letter.

Approved Project Schedule, Cost & Criticality Rating:			<i>Project Number 2660-415</i>
Description	Last Approved (November 2009)	Approved Revision	Change
Project Schedule			
Start Date	July 1, 2006	July 1, 2006	---
Implementation Date	September 30, 2014	September 30, 2013	(12 months)
PIER Date	December 30, 2015	November 30, 2014	(11 months)
Project Cost			
	\$25,592,946	\$27,122,428	\$1,529,482
One-Time	\$20,454,075	\$22,817,129	\$2,363,054
Continuing	\$5,138,871	\$4,305,299	(\$833,572)
Annual M&O	\$1,634,881	\$2,599,142	(\$964,261)
Funding Source	State Transportation Fund	State Transportation Fund	---
Criticality Rating	High	High	---

This approval is contingent on the following conditions:

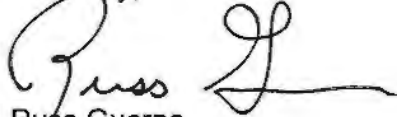
1. The level four project manager must be approved by the Technology Agency.
2. An organizational change manager must be on the project within six months of this approval letter.

3. Caltrans must include a reporting relationship from the Independent Project Oversight and Independent Verification and Validation provider(s) to the Technology Agency. This should be reflected in the statement of work and the project organization chart.
4. Caltrans must submit a negative Budget Change Proposal in FY 2015-16 to account for projected program savings that are a major objective of this project.

In addition to the standard deviations that warrant an SPR, Caltrans must immediately notify the Technology Agency if the anticipated project savings change by 10 percent or more.

If you have any questions, please contact Anita Fearman at (916) 403-9637, or by e-mail at anita.fearman@state.ca.gov or cio.ca.gov. Please refer to project number 2660-415 in any future correspondence regarding the project.

Sincerely,



Russ Guarna
Acting Chief Deputy Director
Office of the State Chief Information Officer

AF: km
Project No. 2660-415
Log No. 750

cc: Robert Glazier, Acting Agency Information Officer, Business, Transportation and Housing Agency
Ms. Ann Barsotti, Chief Information Officer, Department of Transportation
Ms. Kari Gutierrez, Division Chief, Department of Transportation, Enterprise Technology Investment Division,
Mr. Adrian Farley, Chief Technology, California Technology Agency
Mr. Kevin Piombo, Deputy Director, California Technology Agency
Ms. Erika Li, Principal Fiscal and Policy Analyst, Legislative Analyst's Office
Mr. James Butler, Deputy Director, Procurement Division, Department of General Services
Ms. Marjorie Rubenstein, Acquisitions Branch Manager, Procurement Division, Department of General Services
Mr. Richard Gillihan, Chief, Information Technology Operations and Consulting, Department of Finance
Ms. Susan Davis-James, Chief, Information Technology Consulting Unit, Department of Finance
Mr. Mark Monroe, Principal Program Budget Analyst, Department of Finance
Mr. Mark Tollefson, Budget Analyst, Department of Finance
Mr. Keith Parker, Acting Chief Information Security Officer, Office of the Information Security, California Technology Agency
Ms. Michele Robinson, Deputy Chief Information Security Officer, Office of Information Security, California Technology Agency



**Construction Management System
FSR Project ID 2660-415
Special Project Report**

February 2011

Information Technology Project Request



Special Project Report Executive Approval Transmittal

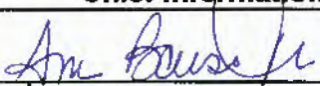
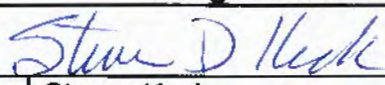
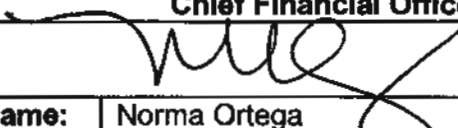
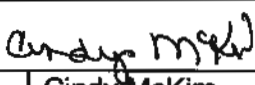
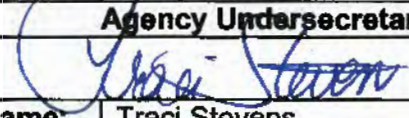
Department Name			
Department of Transportation			
Project Title (maximum of 75 characters)			Project Acronym
Construction Management System			CMS
FSR Project ID	FSR Approval Date	Department Priority	Agency Priority
2660-415	01/10/2006		

I am submitting the attached Special Project Report (SPR) in support of our request for the Office of the State Chief Information Officer's approval to continue development and/or implementation of this project.

I certify that the SPR was prepared in accordance with the State Administrative Manual Sections 4945-4945.2 and that the proposed project changes are consistent with our information management strategy as expressed in our current Agency Information Management Strategy (AIMS).

I have reviewed and agree with the information in the attached Special Project Report.

I also certify that the acquisition of the applicable information technology (IT) product(s) or service(s) required by my department that are subject to Government Code 11135 applying Section 508 of the Rehabilitation Act of 1973 as amended meets the requirements or qualifies for one or more exceptions (see following page).

APPROVAL SIGNATURES	
Chief Information Officer	Date Signed
 Printed name: Ann Barsotti	3/3/11
Budget Officer	Date Signed
 Printed name: Steven Keck	3-9-11
Chief Financial Officer	Date Signed
 Printed name: Norma Ortega	3/9/11
Department Director	Date Signed
 Printed name: Cindy McKim	3/14/11
Agency Undersecretary (Acting)	Date Signed
 Printed name: Traci Stevens	3/23/11

INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE

SECTION A: EXECUTIVE SUMMARY

1.	Submittal Date	02/28/2011 (Rev.: 04/15/2011 per CaTA)
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2.	Type of Document	FSR	SPR	PSP Only	Other:
	Project Number	2660-415	SPR3		

3.	Project Title	Construction Management System	Estimated Project Dates	
	Project Acronym	CMS	Start	End
			07/01/2006	09/30/2013

4.	Submitting Department	Transportation
5.	Reporting Agency	Business, Transportation and Housing Agency

6.	Project Objectives
	<ol style="list-style-type: none"> 1) Eliminate costs due to Federal Aid Ineligibility Notices. 2) Reduce Contract Claim payout by 10 percent. 3) Improve cost efficiency in performing claim defense preparation. 4) Reduce Arbitration/Settlement payout by 10 percent. 5) Eliminate risk of late payment penalty interest due to system failures. 6) Improve the ability of Caltrans Information Technology (IT) to quickly implement new legislation, processes, or rules.

8.	Major Milestones	Est Complete Date
	FSR Approval	07/01/2006
	Project Initiation: Kickoff and Charter	05/21/2008
	Project Planning: Project Management Plans	09/01/2008
	Project Planning: RFP Development	10/23/2009
	Project Planning: Solicitation and Vendor Selection	09/15/2010
	SPR Approval	07/01/2011
	Project Planning: Contract Award	08/30/2011
	Project Design	07/30/2013
	Project Development	08/30/2013
	Project Implementation	09/30/2013
	Project Closeout: Closeout Letter	11/30/2013
	PIER	11/30/2014
	Key Deliverables	
	RFP	10/23/2009
	Project Management Plans	09/01/2008
	Project Design Documentation	07/30/2013
	Project Implementation	09/30/2013
	Project Closeout: Closeout Letter	11/30/2013
	Post Implementation Evaluation Report	11/30/2014

INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE
SECTION A: EXECUTIVE SUMMARY

7.	Proposed Solution
	The proposed solution is a Web-based centralized construction management application that must be accessible by all Caltrans construction staff and contractor staff to meet California's specific business and technical requirements. CMS will be a combination of customized software and Commercial Off the Shelf (COTS) application, all designed and integrated specifically to meet the unique business requirements of the Division of Construction.

INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE
SECTION B: PROJECT CONTACTS

Project #	2660-415
Doc. Type	SPR3

Executive Contacts								
	First Name	Last Name	Area Code	Phone #	Ext.	Area Code	Fax #	E-mail
Agency Undersecretary (Acting)	Traci	Stevens	916	323-5400		916	323-5440	Agency.secretary@bth.ca.gov
Dept. Director	Cindy	McKim	916	654-6130		916	654-6608	cindy_mckim@dot.ca.gov
CFO	Norma	Ortega	916	654-3986		916	654-6608	norma_ortega@dot.ca.gov
Budget Officer	Steven	Keck	916	654-4556		916	653-2004	steven_keck@dot.ca.gov
CIO	Ann	Barsotti	916	654-6282		916	654-3426	ann_barsotti@dot.ca.gov
Proj. Sponsor	Mark	Leja	916	654-2157		916	654-6345	mark_leja@dot.ca.gov

Direct Contacts								
	First Name	Last Name	Area Code	Phone #	Ext.	Area Code	Fax #	E-mail
Doc. prepared by	Ronda	Campbell	916	654-6351				ronda_campbell@dot.ca.gov
Primary contact	Shaun	Ng	916	651-6284		916	654-5990	shaun_ng@dot.ca.gov
Project Manager	Shaun	Ng	916	651-6284		916	654-5990	shaun_ng@dot.ca.gov

INFORMATION TECHNOLOGY PROJECT SUMMARY
SECTION C: PROJECT RELEVANCE TO STATE AND/OR DEPARTMENTAL PLANS

1.	What is the date of your current Operational Recovery Plan (ORP)?	Date	October 2010
2.	What is the date of your current Agency Information Management Strategy (AIMS)?	Date	N/A
3.	For the proposed project, provide the page reference in your current AIMS and/or strategic business plan.	Doc.	N/A
		Page #	

Project #	2660-415
Doc. Type	SPR3

4.	Is the project reportable to control agencies?	Yes	No
		X	
	If YES, CHECK all that apply:		
X	a) The project involves a budget action.		
	b) A new system development or acquisition that is specifically required by legislative mandate or is subject to special legislative review as specified in budget control language or other legislation.		
X	c) The estimated total development and acquisition cost exceeds the departmental cost threshold and the project does not meet the criteria of a desktop and mobile computing commodity expenditure (see SAM 4989 – 4989.3).		
	d) The project meets a condition previously imposed by Finance.		

INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE
SECTION D: BUDGET INFORMATION

Project #	2660-415
Doc. Type	SPR3

Budget Augmentation Required?																																						
No																																						
Yes	X	If YES, indicate fiscal year(s) and associated amount:																																				
		<table border="1"> <thead> <tr> <th>FY</th><th>06/07</th><th>FY</th><th>07/08</th><th>FY</th><th>08/09</th><th>FY</th><th>09/10</th><th>FY</th><th>10/11</th><th>FY</th><th>11/12</th><th>FY</th><th>12/13</th><th>FY</th><th>13/14</th><th>FY</th><th>14/15</th></tr> </thead> <tbody> <tr> <td></td><td>\$1,074,000</td><td></td><td>\$581,000</td><td></td><td>\$820,000</td><td></td><td>\$800,000</td><td></td><td>\$521,000</td><td></td><td>\$8,405,000</td><td></td><td>\$8,429,000</td><td></td><td>\$2,187,000</td><td></td><td>\$0</td></tr> </tbody> </table>	FY	06/07	FY	07/08	FY	08/09	FY	09/10	FY	10/11	FY	11/12	FY	12/13	FY	13/14	FY	14/15		\$1,074,000		\$581,000		\$820,000		\$800,000		\$521,000		\$8,405,000		\$8,429,000		\$2,187,000		\$0
FY	06/07	FY	07/08	FY	08/09	FY	09/10	FY	10/11	FY	11/12	FY	12/13	FY	13/14	FY	14/15																					
	\$1,074,000		\$581,000		\$820,000		\$800,000		\$521,000		\$8,405,000		\$8,429,000		\$2,187,000		\$0																					

PROJECT COSTS

1.	Fiscal Year	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	TOTAL
2.	One-Time Cost	\$1,074,304	\$580,688	\$819,870	\$800,491	\$521,109	\$8,404,706	\$8,428,677	\$2,187,284	\$0	\$22,817,129
3.	Continuing Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,706,157	\$2,599,142	\$4,305,299
4.	TOTAL PROJECT BUDGET	\$1,074,304	\$580,688	\$819,870	\$800,491	\$521,109	\$8,404,706	\$8,428,677	\$3,893,441	\$2,599,142	\$27,122,428

PROJECT FINANCIAL BENEFITS

								FY 13/14	FY 14/15	FY 15/16	TOTAL
5.	Cost Savings/Avoidances	\$	\$	\$	\$	\$	\$				
6.	Project Objective Savings	\$	\$	\$	\$	\$	\$	\$6,730,753	\$12,433,720	\$18,750,049	\$37,914,522

INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE
SECTION E: VENDOR PROJECT BUDGET

Vendor Cost for FSR Development (if applicable)	\$61,288
Vendor Name	Coastline Technology Consulting

Project #	2660-415
Doc. Type	SPR3

VENDOR PROJECT BUDGET

1.	Fiscal Year	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	TOTAL
2.	Primary Vendor Budget	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$6,303,555	\$2,009,323	\$701,212	\$15,014,090
3.	Independent Oversight Budget	\$45,000	\$57,454	\$51,900	\$4,200	\$0	\$36,000	\$48,000	\$45,000	\$0	\$287,554
4.	IV&V Budget	\$64,597	\$35,280	\$32,130	\$17,780	\$790	\$286,879	\$382,505	\$191,252	\$0	\$1,011,213
5.	Other Budget	\$259,535	\$120,513	\$213,160	\$159,653	\$63,443	\$332,648	\$210,000	\$59,934	\$0	\$1,418,886
6.	TOTAL VENDOR BUDGET	\$369,132	\$213,247	\$297,190	\$181,633	\$64,233	\$6,655,527	\$6,944,060	\$2,305,509	\$701,212	\$17,731,743

Note: Total Primary Vendor Budget includes both one-time costs of \$13,804,621 and continuing costs for Contract Services and Software Maintenance/Licenses.

------(Applies to SPR only)-----

PRIMARY VENDOR HISTORY SPECIFIC TO THIS PROJECT

7.	Primary Vendor	N/A
8.	Contract Start Date	
9.	Contract End Date (projected)	
10.	Amount	\$

PRIMARY VENDOR CONTACTS

	Vendor	First Name	Last Name	Area Code	Phone #	Ext.	Area Code	Fax #	E-mail
11.									
12.									
13.									

**INFORMATION TECHNOLOGY PROJECT SUMMARY PACKAGE
SECTION F: RISK ASSESSMENT INFORMATION**

Project #	2660-415
Doc. Type	SPR3

RISK ASSESSMENT

	Yes	No
Has a Risk Management Plan been developed for this project?	X	

General Comment(s)
<p>The Risk Management Plan has been approved by the project sponsor and the project has a designated risk manager. A detailed project risk register (matrix) has been developed and includes 17 specific items to characterize the risk and its impact to the project. The matrix is updated bi-weekly, or sooner if project activities warrant more frequent updates.</p> <p>The IV&V contractor has reviewed the risk register and has provided a risk summary report. The register has been revised and improved as a response to the summary.</p> <p>The project currently has five active risks related to the procurement phase of the project. The project team has also identified 69 risks which are dormant, retired, or moved to "issue status", and are related to the design, development, and implementation phases of the project. Risks identified in the FSR have been moved to the active, dormant, or retired category.</p>

3.0 PROPOSED PROJECT CHANGE

3.1 Project Background/Summary

The Department of Transportation (Caltrans) began the Construction Management System (CMS) project in July 2006. The project originally envisioned purchasing an existing construction management application from the American Association of State Highway and Transportation Officials (AASHTO) and modifying it to create the CMS. Unfortunately after lengthy negotiations between AASHTO, Caltrans, and the Department of General Services (DGS), issues regarding the use and adaptation of the software source code could not be resolved and other alternatives had to be explored.

In June 2008, Caltrans conducted a survey of Departments of Transportation (DOTs) across the United States and Canada to identify products, combinations of products, and vendors being used for construction management. Caltrans also released a Request for Information (RFI) in July 2008. Vendors were asked to provide information on available construction management products and information on vendor resources needed to implement their systems. Evaluation of the DOTs survey and vendors' RFI responses were used to investigate possible solutions for the CMS. Since Caltrans' analyses of the vendor responses indicated that no vendor could provide a commercial off-the-shelf (COTS) system or a modified off-the-shelf (MOTS) alternative that would provide an overall best value solution, Caltrans proposed to develop a custom solution. Conceptual approval for a custom developed solution was obtained from the California Technology Agency (previously the Office of the State Chief Information Officer). Caltrans then proceeded with the development of a draft Special Project Report (SPR) to outline the change in direction to a custom developed solution from the modification of the AASHTO software outlined in the original Feasibility Study Report (FSR). In parallel, a Request for Proposal (RFP) for a custom solution was drafted.

The draft SPR and supporting documentation for the custom developed solution was submitted to the California Technology Agency (CaTA) between February and April 2009. In June 2009, the CaTA recommended that Caltrans use an alternative strategy to open the procurement process to all vendor and solution types, including COTS solutions, MOTS solutions, software-as-a-service (SaaS) or application service provider (ASP) hosted solutions, as well as custom developed solutions. In August 2009, Caltrans commenced work with DGS to modify its previously drafted custom solutions RFP to open the solicitation for all types of solutions including COTS, MOTS, or SaaS or ASP hosted solutions, in addition to custom developed solutions.

A revised SPR was submitted to the CaTA in September 2009 outlining the change in direction to an open solicitation for all types of solutions, along with revisions to the project schedule, major milestones, and anticipated need for resources. In cooperation with DGS, Caltrans participated in a pilot process to accelerate the procurement of CMS. The accelerated procurement allotted nine months for the procurement process based on the following assumptions:

- Only two bidders would submit proposals.
- Only one addendum would be issued to the RFP.
- Draft Proposals and bidder conferences would not be required.

The CMS RFP was released on October 23, 2009, with an anticipated contract award in September 2010 and project completion in September 2013. Based on the accelerated procurement schedule proposed by DGS, it was anticipated that contract award would be in September 2010 rather than September 2011 as projected in the revised SPR. Due to the expectation that the project would be awarded a year ahead of schedule, the Department of Finance (DOF) recommended that the one-time cost for the project be reduced by \$800,000 and 2.4 Personnel Years (PYs) to reflect a cost savings resulting from the accelerated procurement process. Caltrans complied with the recommended cost reduction.

It was documented in the FY 2010-11 Budget Change Proposal (BCP) that if the procurement of the CMS vendor was delayed and the contract was not encumbered by the end of FY 2010-11, Caltrans would have to submit another BCP or a Finance Letter (FL) to extend the schedule and add funding back to the project because the anticipated cost savings due to the accelerated procurement would not be realized.

The actual procurement process took longer than planned and a contract was not awarded in September 2010. This was due to the following factors:

- Seven addenda were required for the RFP.
- Initial Final Proposals were declared draft.
- Confidential discussions between bidders, the Evaluation Team, and the State Office of Technology Services (OTech) were required for the draft proposals.
- Vendor's cost exceeded project budget and Caltrans entered into negotiations per Public Contract Code (PCC) Section 6611.
- CaTA issued a policy requiring hosting at the OTech data center. As a result, Caltrans requested that the vendor prepare infrastructure documentation for review and quotation by OTech.

Two vendors submitted revised Final Proposals on July 27, 2010. During the review process, only one of the two proposals was deemed responsive to the RFP. The cost proposal was opened from the responsive bidder on August 30, 2010. The cost proposal from the responsive bidder exceeded the project budget.

Caltrans requested and received approval from DGS to negotiate with the responsive bidder on September 30, 2010. The purpose of the negotiation was to achieve cost reductions to ensure that Caltrans received the best value or most cost-efficient solution. Negotiations were held with the vendor between November 24, 2010 and December 20, 2010. As part of the negotiation process, the Terms and Conditions of the contract, contract schedule, and project scope were modified in an effort to stay within the project budget. Negotiations with

the vendor were successfully completed December 20, 2010 resulting in vendor cost reductions.

In conjunction with the submission of this SPR, in February 2011, Caltrans submitted a FY 2011-12 Finance Letter to the DOF requesting approval to amend the multi-year funding of the CMS project.

3.2 Project Status

The project team has completed the following major project activities:

Project / Project Management Task	Completion Date
Purchased, tested, and installed Windows server for AASHTO SiteManager software	December 2006
Formed project committees and teams: CMS Project Team Project Committee (subject matter experts) Advisory Committee Executive Committee	July 2006 September 2006 January 2007 March 2009
Purchased license to install and evaluate AASHTO SiteManager	February 2007
Developed business and technical requirements for the RFP	February 2007
Received and responded to the Independent Verification and Validation (IV&V) Anomaly Report and Traceability Study	March 2007
Performed a gap analysis comparing the business requirements to AASHTO SiteManager	May 2007
Developed the RFP, Evaluation Plan, and Scoring Matrix	December 2007
Renewed AASHTO SiteManager license	June 2008
Released state DOT survey	June 2008
Released RFI for construction management system information	July 2008
Recommended and received executive approval to move away from AASHTO solution	September 2008
Revised the RFP, Evaluation Plan, and Scoring Matrix	January 2009

Project / Project Management Task	Completion Date
Submitted SPR and supporting documentation to CaTA for custom developed solution	February to April 2009
CaTA recommended that Caltrans use alternative strategy to open the procurement process to all vendor and solution types	June 2009
Modified the RFP from a custom developed solution to an open solicitation for all types of solutions in boot-camp styled meetings	August to September 2009
Submitted revised SPR to CaTA outlining change in direction to open solicitation	September 2009
Released open solicitation RFP	October 2009
Received CaTA approval to use the open solicitation RFP process to procure the solution (SPR2)	April 2010
Received Final Proposals (Initial Set)	May 2010
Declared Final Proposals draft due to material deviations	June 2010
Received Final Proposals (2 nd Set)	July 2010
Opened Cost Proposal from responsive bidder	August 2010
Completed Evaluation and Selection Report	September 2010
Received approval from DGS to go into negotiations under PCC 6611	September 2010
Completed confidential PCC 6611 negotiations	December 2010

The project team contracted with the following vendors in support of the project as detailed in the following table:

Vendor	Task	Start Date	End Date
M-Corp	Develop business requirements	August 2006	February 2007 *
Bluecrane	IPOC #1 IPOC #2	July 2006 February 2009	February 2009 * October 2009 **
Sabot Technologies	IV&V	December 2006	October 2010 *
VIP	Acquisition services and support	April 2007	September 2011
Cambria Solutions	Technical Project Manager	December 2007	December 2011

* Contract completed. ** Contract terminated.

3.3 Reason for Proposed Change

Caltrans has successfully completed the solicitation and selection of the solution vendor. As required by the CaTA SPR approval letter dated April 1, 2010 for the CMS project, Caltrans is required to submit a SPR at the end of the procurement phase immediately prior to the contract award. This SPR documents changes to the project scope, schedule, and costs based on the results of the procurement process and expected activities to complete the project.

3.4 Proposed Project Change

Changes to the project scope, schedule, and costs are identified in the following table:

Area	Change
Scope	As a result of contract negotiations with the vendor to stay within the project budget, the project scope was reduced as follows: <ul style="list-style-type: none"> Eliminate work to be done by the vendor to provide data warehouse and data mining capabilities. Eliminate a proof of concept for mobile devices.
Schedule	The project milestones have been revised to reflect a single-phase implementation as shown in section 4.5.5. The projected Contract Award date has not changed significantly. The Project Implementation date has been revised from September 30, 2014 to September 30, 2013, decreasing the overall project schedule by 12 months.
Costs	Project costs estimates have been updated pursuant to the negotiated contract costs and other costs expected to complete the project. The net impact to one-time, continuing, and total project costs are as follows: <ul style="list-style-type: none"> Increased total one-time costs by \$2,363,055 Decreased total continuing costs by \$833,572 Increased total project costs by \$1,529,483 Details on these changes are presented in section 3.4.2.

3.4.1 Accessibility

The department will comply with the accessibility requirements defined in Government Code 11135 including Federal Rehabilitation Act Section 508. Sub-Section 1194.21 provides general guidelines pertaining to Software Applications and Operating Systems. Any document provided with the software application or operating system shall be readable to Assistive Technology (AT) users. This includes providing meaningful text descriptions for all image elements (i.e. graphics, screen shots, diagrams, etc.) whether it is in Word, PDF, PowerPoint, or any other format. Additionally, all image elements must be readable with screen magnifiers or have an equivalent text description. Further information on accessibility is contained in the IT Accessibility Certification section of the Executive Transmittal Package of this SPR.

3.4.2 Impact of Proposed Change on the Project

Impact to the project in the areas of scope, schedule, and cost compared with the prior approved SPR are identified in following table:

Area	Impact
Scope	<ul style="list-style-type: none"> The ability to provide structured data warehouse/mining capability to research project records (FSR Functional Requirements III-2 and IV-2) will not be included in the project. In accordance with the FSR, the RFP required that the successful vendor purchase and provide mobile devices to assess the feasibility and usability of the CMS on mobile devices and to determine which devices provide the best performance in the field under normal operating conditions. However, as part of the negotiation process under PCC 6611, the purchase and testing of the mobile devices were removed from the project in an effort to stay within project budget. It should be noted that, because the CMS is a web-based system, engineers and inspectors will have access to the CMS from laptops connected to the Caltrans network.
Schedule	The schedule is adjusted to reflect a planned implementation date of September 30, 2013, reducing the project schedule by 12 months compared to the prior approved SPR date of September 30, 2014. The schedule from the prior approved SPR and the current SPR are presented in section 4.5.5.
Cost	<p>A breakdown of changes to project costs is provided in section 6.0. The reasons for these changes, by category, are:</p> <p>One-Time IT Project Costs</p> <ul style="list-style-type: none"> Staff (Salaries and Benefits) has decreased by \$233,366 due to a reduction in estimated PYs. The percentage reduction in PYs is greater than the reduction in PY dollars due to updated loaded salary rates used in the calculations.

Area	Impact
	<ul style="list-style-type: none"> • Hardware Purchase cost has decreased by \$936,337 due to the plan to host the application at the OTech data center which eliminated the need to purchase hardware. • Software Purchase/License cost has increased by \$820,000 for the purchase of Oracle licenses. • Contract Services cost has increased by \$1,364,354 based on the factors below: <ul style="list-style-type: none"> ○ Software Customization has increased by \$790,403 based on the vendor cost proposal. ○ Project Management has decreased by \$26,256 to reflect actual amounts expended to date and projected cost to complete the project. ○ Project Oversight has decreased by \$70,800 to reflect actual amounts expended to date and projected cost to complete the project. ○ IV&V Services has increased by \$525,073 to reflect actual amounts expended to date and projected cost to complete the project. ○ Other Contract Services has increased by \$145,934 to reflect revised cost estimates for Change Management Services. • Data Center Services have increased by \$1,348,404 based on the OTech cost estimate for hosting the application during development and implementation. <p>Continuing IT Project Costs</p> <ul style="list-style-type: none"> • Staff (Salaries and Benefits) has increased by \$316,517 based on an increase in projected staffing needs to support the application and updated loaded salary rates used in the calculations. • Hardware Lease/Maintenance has decreased by \$216,374 due to the plan to host the application at the OTech data center, which eliminated the need to lease or maintain hardware. • Software Maintenance /Licenses have increased by \$155,086 based on proposed vendor costs for third party software maintenance and ongoing Oracle licensing fees. • Contract Services have decreased by \$69,209 based on ongoing application support costs from the vendor cost proposal. • Data Center Services have decreased by \$1,019,592 based on the OTech cost estimate for hosting the application.

3.4.3 Feasible Alternatives Considered

No change to this section.

3.4.4 Implementation Plan

The CMS project will now be implemented in a single phase.

4.0 UPDATED PROJECT MANAGEMENT PLAN

4.1 Project Manager Qualifications

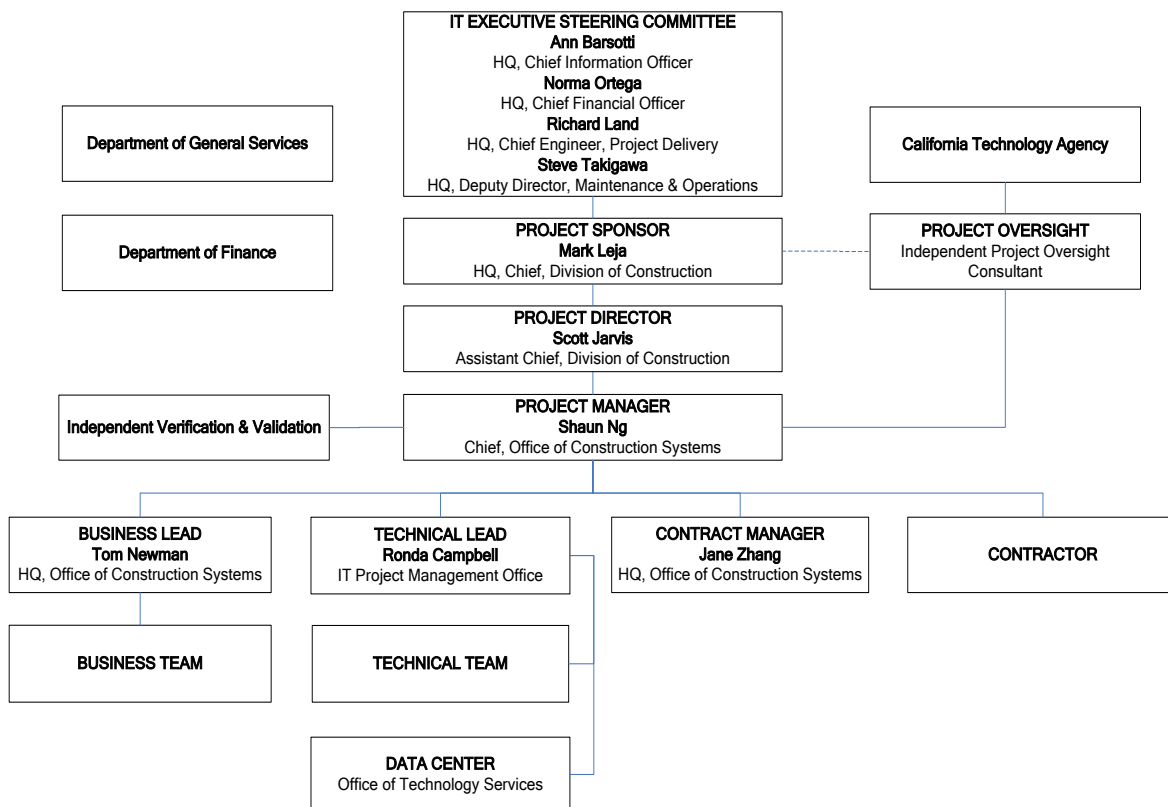
No change to this section.

4.2 Project Management Methodology

No change to this section.

4.3 Project Organization

The project organization chart has been revised to reflect the current Caltrans standard. The revised chart is presented below.



4.4 Project Priorities

No change to this section.

4.5 Project Plan

4.5.1 Project Scope

The ability to provide structured data warehouse/mining capability so as to research project records will not be included in the project (FSR Functional Requirements III-2 and IV-2). The workflow and process tools for researching construction claims will not be provided by the vendor, however, a single repository to store and retrieve contract and claims documentation will be provided along with the infrastructure necessary to develop a structured data warehouse/mining capability at some future date.

The revised Objectives and Functional Requirements for the CMS project are listed in the table below. The Objectives and Functional Requirements remain unchanged with the exception of removal of Functional Requirements III-2 and IV-2.

Objective	Functional Requirement
Business Objective I Eliminate costs incurred as a result of Federal-Aid Ineligibility Notices.	Functional Requirement I-1 The proposed system must provide central collection and a central repository for project construction records, including internal Caltrans data (i.e. Contract Administration System), web forms, electronically submitted contractor records, and Caltrans created documents.
	Functional Requirement I-2 The proposed system must provide an interface allowing external funding partners to provide review and approval of project documents and funding.
	Functional Requirement I-3 The proposed system must provide an auditable history of all project reviews and approvals.
Business Objective II Reduce payout rate of construction claims by 10 percent.	Functional Requirement II-1 Provide structured business rules and documentation structure to enforce required documentation and timeframes.
	Functional Requirement II-2 Provide the Resident Engineer with capability to capture, and then transmit, contract records to a central repository while at a project site (to eliminate filing and transcription errors).

Objective	Functional Requirement
Business Objective III Reduce claims research costs by 1 percent of total contractor claims filed per year.	Functional Requirement III-1 Provide a single repository to store and retrieve contract and claims documentation.
Business Objective IV Reduce arbitration awards and settlements paid by 10 percent by improving access to data by Legal and Expert Witness staff.	Functional Requirement IV-1 Provide a single repository to store, research, and retrieve project contract and claims, and legal documentation.
Business Objective V Eliminate risk of interest penalty charges due to system problems or failure.	Functional Requirement V-1 Provide a stable, maintainable automated system which achieves zero percent downtime during normal department business hours.
Business Objective VI Improve the flexibility and speed with which IT can provide system enhancements.	Functional Requirement VI-1 N/A.

4.5.2 Project Assumptions

No change to this section.

4.5.3 Project Phasing

The project will now be implemented in one phase.

4.5.4 Project Roles and Responsibilities

Project roles and responsibilities have been updated to conform to the revised project organization chart presented in section 4.3.

Role/Position	Responsibilities
IT Executive Steering Committee	<ul style="list-style-type: none"> Sets strategy and direction to ensure the project's goals and objectives are met. Ensures continued Caltrans support for the project. Facilitates resolution of issues related to project scope, cost, schedule, and quality that cannot be resolved at the project level.
Project Sponsor	<ul style="list-style-type: none"> Champions the project. Commits time and political capital to promote the project. Provides direction on issues related to project scope, cost, schedule, and quality. Ensures timely availability of needed resources.

Role/Position	Responsibilities
Project Director	<ul style="list-style-type: none"> Provides project management oversight and direction. Resolves issues related to project scope, cost, schedule, and quality. Provides resources needed for the project. Serves as the primary liaison between the project, Project Sponsor, and the Steering Committee. Escalates decisions and issues to the Project Sponsor and/or Steering Committee as needed.
Project Manager	<ul style="list-style-type: none"> Manages project scope, cost, schedule, and quality. Approves project business requirements. Develops project management plans. Identifies staff resources needed for the project. Manages project risks and issues. Reviews and approves all project deliverables. Provides project status reports. Ensures project communication with the Project Director, IT Project Management Office (IT PMO), project team, and the stakeholders.
Independent Verification & Validation	<ul style="list-style-type: none"> Conducts reviews of project activities in the areas of project schedule, scope, cost, risks, and issues. Reports recommendations to the Project Manager. Participates in project risk and issue management processes by identifying risks and issues and recommending risk management strategies. Conducts mitigation tasks as assigned by the Project Manager. Independently reviews and assesses vendor deliverables for completeness, compliance with industry standards, and adherence to requirements. Reviews and assesses each phase of the project for completeness and consistency throughout the system life cycle. Validates ability of software design to meet requirements. Performs traceability of requirements. Conducts design analysis of functionality. Conducts code analysis of software components. Assesses test processes and results.
Project Oversight	<ul style="list-style-type: none"> Conducts independent assessments of the project status in the areas of project schedule, scope, cost, quality, risks, and issues from project inception to closeout. Reviews and assesses project management plans and practices, ensuring they are performed in accordance with CaTA and industry standards. Participates in project risk and issue management processes by

Role/Position	Responsibilities
	<p>identifying risks and issues and recommending risk management strategies.</p> <ul style="list-style-type: none"> Provides reporting of material findings, conclusions, and recommendations made as a result of reviews and assessments. Provides project oversight reports to CaTA and to other control agencies as required.
Business Lead	<ul style="list-style-type: none"> Oversees the efforts of the Business Team. Ensures project changes are documented. Facilitates user group workshops. Develops and documents business requirements. Leads the quality assurance and testing activities to ensure all business requirements are met. Leads the communication and change management activities to ensure all stakeholders are engaged and prepared for the transition to the new system. Leads the training activities to ensure the users are trained appropriately. Supports the Project Manager to ensure success of the project.
Business Team	<ul style="list-style-type: none"> Understands business needs and their relationship to the project. Advises and assists the Business Lead in ensuring that all business requirements are met. Documents implemented application configuration and business procedures. Identifies and documents workflow process changes. Drafts acceptance testing plans. Executes and documents test findings. Plans and arranges for client training.
Technical Lead	<ul style="list-style-type: none"> Ensures conformance to Caltrans IT security requirements. Ensures conformance with Caltrans IT standards. Acquires appropriate technical assistance for enterprise architecture, database, software development, security, testing, configuration management, release management, training, and other technical areas.
Technical Team	<ul style="list-style-type: none"> Provides technical assistance for enterprise architecture, database, software development, security, testing, configuration management, release management, training, and other technical areas. Documents implemented system, network, and other technical elements of the project. Documents routine technical procedures. Participates in the development of operational recovery plan.
OTech	<ul style="list-style-type: none"> Provides IT application hosting services.

Role/Position	Responsibilities
Contract Manager	<ul style="list-style-type: none"> Manages and tracks contracts. Negotiates amendments and ensures terms and deliverables are met. Processes invoices.
Contractor	<ul style="list-style-type: none"> Develops and implements the system based on business, functional, and technical requirements. Provides training to Caltrans' trainers

4.5.5 Project Schedule

The August 2009 SPR, which was approved by CaTA on April 1, 2010, modified the project schedule. The schedule from the August 2009 SPR Project Summary Package was as follows:

Milestone	Planned Completion
Approval to Proceed	07/01/2006
Request for Proposal Release	03/09/2010
Contract Approval	09/21/2011
Phase 1 Design	05/01/2012
Phase 1 Implementation	12/31/2013
Phase 2 Design	09/30/2013
Phase 2 Implementation	09/30/2014
PIER	12/30/2015

The project schedule has been revised to reflect application development and implementation in a single phase. The schedule has been updated with actual dates for milestones completed since August 2009 and for planned activities to complete the project. The new project schedule is as follows:

Milestone	Planned Completion
Project Initiation: Kickoff and Charter	05/21/2008
Project Planning: Project Management Plans	09/01/2008
Project Planning: RFP Development (including RFI)	10/23/2009
Project Planning: Solicitation and Vendor Selection	09/15/2010
SPR Approval	07/01/2011
Project Planning: Contract Award	08/30/2011
Project Design	07/30/2013
Project Development	08/30/2013
Project Implementation	09/30/2013
Project Closeout: Closeout Letter	11/30/2013
PIER	11/30/2014

4.6 Project Monitoring and Oversight

No change to this section.

4.7 Project Quality

No change to this section.

4.8 Change Management

No change to this section.

4.9 Authorization Required

No change to this section.

5.0 UPDATED RISK MANAGEMENT PLAN

No change to this section.

5.1 Risk Register

The Risk Management Worksheet has been maintained during the course of the project and is included in the monthly project status reports. A copy of the most current worksheet is included as an appendix to this report.

6.0 UPDATED ECONOMIC ANALYSIS WORKSHEETS (EAWs)

The project was approved based on an FSR dated May 2005. Since that time, there have been SPR's with varying estimated costs as shown in the table below. In conformance with instructions in SIMM Section 30, Economic Analysis Worksheets (EAWs) are attached for the current SPR, the prior approved SPR, and the FSR.

EAW Category	FSR May 2005	SPR 1 Jan 2008	SPR 2 Aug 2009	SPR 3 Feb 2011
One-Time IT Project Costs				
Staff (Salaries and Benefits)	2,053,808	2,462,719	3,803,666	3,570,300
Hardware Purchase	1,121,907	940,588	940,588	4,251
Software Purchase / License	239,344	212,250	357,250	1,177,250
One-Time Contract Services				
Contract Services - Software Customization	13,716,865	13,716,865	13,014,218	13,804,621
Contract Services - Project Management / Procurement	1,302,336	683,683	1,049,208	1,022,952
Contract Services - Project Oversight	791,986	616,920	358,354	287,554
Contract Services - IV&V Services	1,357,172	1,576,399	486,140	1,011,213
Contract Services - Other Contract Services *	50,000	50,000	250,000	395,934
Total One-Time Contract Services	17,218,359	16,643,868	15,157,920	16,522,274
Data Center Services	140,000	194,650	194,650	1,543,054
Total One-Time IT Project Costs	20,773,418	20,454,074	20,454,074	22,817,129
Continuing IT Project Costs				
Staff (Salaries and Benefits)	2,037,026	773,001	726,881	1,043,398
Hardware Lease / Maintenance	831,305	216,374	216,374	0
Software Maintenance / Licenses	703,476	1,436,064	708,592	863,678
Contract Services	625,000	625,000	625,000	555,791
Data Center Services **	0	2,088,432	2,862,024	1,842,432
Total Continuing IT Project Costs	4,196,807	5,138,871	5,138,871	4,305,299
Total IT Project Costs	24,970,225	25,592,945	25,592,945	27,122,428

* SPR 3 One-Time Other Contract Services includes:

- Change Management Services \$345,934 (increase of \$145,934 from SPR 2)
- Technical Training \$50,000 (no change from SPR 2)

** Continuing IT Project Costs for Software Maintenance/Licenses, Contract Services, and Data Center Services include the first full year of Maintenance and Operations (i.e. FY 2014/15) at a cost of \$1,999,516. It is expected that these costs will rise in the next three FYs as follows:

- FY 2015/16 \$2,307,642
- FY 2016/17 \$2,616,307
- FY 2017/18 \$2,925,531

Beyond FY 2017/18, ongoing costs for Maintenance and Operations are expected to stabilize.

The cost changes from the prior SPR (i.e. SPR 2) to the current SPR (i.e. SPR 3) are noted in the table below. Reasons for changes are described in section 3.4.2.

#	SPR 2 EAW – Total Project Costs	\$25,592,945
Decrease in One-Time IT Project Staff		
1.	Program & IT Staff (Salaries & Benefits)	- \$233,366
Decrease in One-Time Hardware Purchases		
2.	Hardware Purchase	- \$936,337
Increase in One-Time Software Purchases		
3.	Software Purchase/License	+ \$820,000
Increase in One-Time Contract Services		
4.	Contract Services	+ \$1,364,354
Increase in One-Time Data Center Services		
5.	Data Center Services	+ \$1,348,404
Increase in Continuing IT Project Staff		
6.	Program & IT Staff (Salaries & Benefits)	+ \$316,517
Decrease in Continuing Hardware Maintenance		
7.	Hardware Lease/ Maintenance	- \$216,374
Increase in Continuing Software		
8.	Software Maintenance/Licenses	+ \$155,086
Decrease in Continuing Contract Services		
9.	Contract Services	- \$69,209
Decrease in Continuing Data Center Services		
10.	Data Center Services	- \$1,019,592
Revised EAW – Total Project Costs		\$27,122,428

EXISTING SYSTEM/BASELINE COST WORKSHEET

All costs to be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	2006/07		2007/08		2008/09		2009/10		2010/11		2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
Continuing Information														
Technology Costs														
Staff (salaries & benefits)	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	51.0	4,431,120
Hardware Lease/Maintenance		0		0		0		0		0		0		
Software Maintenance/Licenses		0		0		0		0		0		0		0
Contract Services		175,000		175,000		175,000		175,000		175,000		175,000		1,050,000
Data Center Services		584,462		584,462		584,462		584,462		584,462		584,462		
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	51.0	8,987,892
Continuing Program Costs:														
Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Other		0				0		0		0		0		
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
TOTAL EXISTING SYSTEM COSTS	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708

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EXISTING SYSTEM/BASELINE COST WORKSHEET

All costs to be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	Subtotal		2012/13		2013/14		2014/15		2015/16		2016/17		TOTAL	
	DYs	Amnts	DYs	Amnts	DYs	Amnts	DYs	Amnts	DYs	Amnts	DYs	Amnts	PYs	Amnts
Continuing Information														
Technology Costs														
Staff (salaries & benefits)	51.0	4,431,120	8.5	738,520	8.5	738,520	8.5	738,520	0.0	0	0.0	0	76.5	6,646,680
Hardware Lease/Maintenance		0		0		0		0		0		0		
Software Maintenance/Licenses		0		0		0		0		0		0		0
Contract Services		1,050,000		175,000		175,000		175,000		0		0		1,575,000
Data Center Services		3,506,772		584,462		584,462		584,462		0		0		
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		
Total IT Costs	51.0	8,987,892	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	0.0	0	0.0	0	76.5	13,481,838
Continuing Program Costs:														
Staff	30036.0	2,434,656,816	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	0.0	0	0.0	0	45054.0	3,651,985,224
Other		0		0		0		0					9,280,158	
Total Program Costs	30036.0	2,434,656,816	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	0.0	0	0.0	0	45054.0	3,651,985,224
TOTAL EXISTING SYSTEM COSTS	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062

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PROPOSED ALTERNATIVE: Web Based Solution

Department: Department of Transportation
 Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	DVs	Amts	DVs	Amts	DVs	Amts	DVs	Amts	DVs	Amts	DVs	Amts	PYs	
One-Time IT Project Costs														
Staff (Salaries & Benefits)	4.0	488,671	2.4	222,441	2.4	522,680	2.4	618,858	2.9	456,876	3.0	513,613	17.1	2,823,139
Hardware Purchase		4,251		0		0		0		0		0		4,251
Software Purchase/License		212,250		145,000		0		0		0		670,000		1,027,250
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		0		0		0		0		6,000,000		6,000,000
Project Management		259,535		120,513		213,160		159,653		63,443		206,648		1,022,952
Project Oversight		45,000		57,454		51,900		4,200		0		36,000		194,554
IV&V Services		64,597		35,280		32,130		17,780		790		286,879		437,456
Other Contract Services		0		0		0		0		0		126,000		126,000
TOTAL Contract Services		369,132		213,247		297,190		181,633		64,233		6,655,527		7,780,962
Data Center Services		0		0		0		0		0		565,566		565,566
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Project Costs	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
Continuing Existing Costs														
Information Technology Staff	8.5	791,638	8.5	791,638	8.5	791,638	8.5	902,728	8.5	902,728	8.5	902,728	51.0	5,083,098
Other IT Costs														4,556,772
Total Continuing Existing IT Costs	8.5	1,551,100	8.5	1,551,100	8.5	1,551,100	8.5	1,662,190	8.5	1,662,190	8.5	1,662,190	51.0	9,639,870
Program Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Other Program Costs														0
Total Continuing Existing Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Total Continuing Existing Costs	75014.5	407,327,236	75014.5	407,327,236	75014.5	407,327,236	75014.5	407,438,326	75014.5	407,438,326	75014.5	407,438,326	30087.0	2,444,296,686
TOTAL ALTERNATIVE COSTS	5018.5	408,401,540	5016.9	407,907,924	5016.9	408,147,106	5016.9	408,238,817	5017.4	407,959,435	5017.5	415,843,032	30104.1	2,456,497,854
PROJECT OBJECTIVE SAVINGS		0		0		0		0		0		0		0

Note 1: Per direction from CaTA, the description of Line 43 was changed from "Increased Revenues" to "Project Objective Savings".

Note 2: "Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

PROPOSED ALTERNATIVE:

Web Based Solution

Department: Department of Transportation
Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	Subtotal		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		TOTAL	
	PYc	Amtc	PYc	Amtc	PYc	Amtc	PYc	Amtc	PYc	Amtc	PYc	Amtc	PYS	
One-Time IT Project Costs														
Staff (Salaries & Benefits)	17.1	2,823,139	3.0	576,613	0.7	170,548	0.0	0	0.0	0	0.0	0	20.8	3,570,300
Hardware Purchase		4,251		0		0		0		0		0		4,251
Software Purchase/License		1,027,250		120,000		30,000		0		0		0		1,177,250
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		6,000,000		6,303,555		1,501,066		0		0		0		13,804,621
Project Management		1,022,952		0		0		0		0		0		1,022,952
Project Oversight		194,554		48,000		45,000		0		0		0		287,554
IV&V Services		437,456		382,505		191,252		0		0		0		1,011,213
Other Contract Services		126,000		210,000		59,934		0		0		0		395,934
TOTAL Contract Services		7,780,962		6,944,060		1,797,252		0		0		0		16,522,274
Data Center Services		565,566		788,004		189,484		0		0		0		1,543,054
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	17.1	12,201,168	3.0	8,428,677	0.7	2,187,284	0.0	0	0.0	0	0.0	0	20.8	22,817,129
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	4.0	443,772	5.0	599,626	0.0	0	0.0	0	9.0	1,043,398
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		365,426		498,252		0		0		863,678
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		232,831		322,960		0		0		555,791
Data Center Services		0		0		664,128		1,178,304		0		0		1,842,432
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	4.0	1,706,157	5.0	2,599,142	0.0	0	0.0	0	9.0	4,305,299
Total Project Costs	17.1	12,201,168	3.0	8,428,677	4.7	3,893,441	5.0	2,599,142	0.0	0	0.0	0	29.8	27,122,428
Continuing Existing Costs														
Information Technology Staff	51.0	5,083,098	8.5	902,728	0.0	0	0.0	0	0.0	0	0.0	0	59.5	5,985,826
Other IT Costs		4,556,772		379,731		3,600		3,600		0		0		4,943,703
Total Continuing Existing IT Costs	51.0	9,639,870	8.5	1,282,459	0.0	3,600	0.0	3,600	0.0	0	0.0	0	59.5	10,929,529
Program Staff	30036.0	2,434,656,816	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	0.0	0	0.0	0	45054.0	3,651,985,224
Other Program Costs		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	30036.0	2,434,656,816	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	0.0	0	0.0	0	45054.0	3,651,985,224
Total Continuing Existing Costs	30087.0	2,444,296,686	5014.5	407,058,595	5006.0	405,779,736	5006.0	405,779,736	0.0	0	0.0	0	45113.5	3,662,914,753
TOTAL ALTERNATIVE COSTS	30104.1	2,456,497,854	5017.5	415,487,272	5010.7	409,673,177	5011.0	408,378,878	0.0	0	0.0	0	45143.3	3,690,037,181
PROJECT OBJECTIVE SAVINGS		0		0		6,730,753		12,433,720		18,750,049		0		37,914,522

Note 1: Per direction from CaTA, the description of Line 43 was changed from "Increased Revenues" to "Project Objective Savings".

Note 2: "Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

Department: Department of Transportation
 Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	PYS	
One-Time IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Purchase		0		0		0		0		0		0		0
Software Purchase/License		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		0		0		0		0		0		0
Project Management		0		0		0		0		0		0		0
Project Oversight		0		0		0		0		0		0		0
IV&V Services		0		0		0		0		0		0		0
Other Contract Services		0		0		0		0		0		0		0
TOTAL Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing Existing Costs														
Information Technology Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other IT Costs														0
Total Continuing Existing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Program Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other Program Costs														0
Total Continuing Existing Program Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Continuing Existing Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ALTERNATIVE COSTS	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
INCREASED REVENUES		0		0		0		0		0		0		

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Department: Department of Transportation
 Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	SUBTOTAL		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		TOTAL	
	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	PYS	Amte
One-Time IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Purchase		0		0		0		0		0		0		0
Software Purchase/License		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		0		0		0		0		0		0
Project Management		0		0		0		0		0		0		0
Project Oversight		0		0		0		0		0		0		0
IV&V Services		0		0		0		0		0		0		0
Other Contract Services		0		0		0		0		0		0		0
TOTAL Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing Existing Costs														
Information Technology Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other IT Costs		0		0		0		0		0		0		0
Total Continuing Existing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Program Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other Program Costs		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Continuing Existing Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ALTERNATIVE COSTS	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
INCREASED REVENUES		0		0		0		0		0		0		0

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Department: Department of Transportation
 Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	PYS	Amte
One-Time IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Purchase		0		0		0		0		0		0		0
Software Purchase/License		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		0		0		0		0		0		0
Project Management		0		0		0		0		0		0		0
Project Oversight		0		0		0		0		0		0		0
IV&V Services		0		0		0		0		0		0		0
Other Contract Services		0		0		0		0		0		0		0
TOTAL Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing Existing Costs														
Information Technology Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other IT Costs														0
Total Continuing Existing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Program Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other Program Costs														0
Total Continuing Existing Program Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Continuing Existing Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ALTERNATIVE COSTS	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
INCREASED REVENUES		0		0		0		0		0		0		

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Department: Department of Transportation
 Project: Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	SUBTOTAL		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		TOTAL	
	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	DVe	Amte	PYS	Amte
One-Time IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Purchase		0		0		0		0		0		0		0
Software Purchase/License		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		0		0		0		0		0		0
Project Management		0		0		0		0		0		0		0
Project Oversight		0		0		0		0		0		0		0
IV&V Services		0		0		0		0		0		0		0
Other Contract Services		0		0		0		0		0		0		0
TOTAL Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Continuing Existing Costs														
Information Technology Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other IT Costs		0		0		0		0		0		0		0
Total Continuing Existing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Program Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Other Program Costs		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Continuing Existing Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ALTERNATIVE COSTS	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
INCREASED REVENUES		0		0		0		0		0		0		0

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ECONOMIC ANALYSIS SUMMARY
 All costs to be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011
CMS SPR 3
 (Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
EXISTING SYSTEM														
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	51.0	8,987,892
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Total Existing System Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708

PROPOSED ALTERNATIVE	Web Based Solution													
Total Project Costs	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
Total Cont. Exist. Costs	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,438,326	5014.5	407,438,326	5014.5	407,438,326	30087.0	2,444,296,686
Total Alternative Costs	5018.5	408,401,540	5016.9	407,907,924	5016.9	408,147,106	5016.9	408,238,817	5017.4	407,959,435	5017.5	415,843,032	30104.1	2,456,497,854
COST SAVINGS/AVOIDANCES	(4.0)	(1,127,422)	(2.4)	(633,806)	(2.4)	(872,988)	(2.4)	(964,699)	(2.9)	(685,317)	(3.0)	(8,568,914)	(17.1)	(12,853,146)
Project Objective Savings		0		0		0		0		0		0		0
Net (Cost) or Benefit	(4.0)	(1,127,422)	(2.4)	(633,806)	(2.4)	(872,988)	(2.4)	(964,699)	(2.9)	(685,317)	(3.0)	(8,568,914)	(17.1)	(12,853,146)
Cum. Net (Cost) or Benefit	(4.0)	(1,127,422)	(6.4)	(1,761,228)	(8.8)	(2,634,216)	(11.2)	(3,598,915)	(14.1)	(4,284,232)	(17.1)	(12,853,146)		

ALTERNATIVE #1														
	0.0		0		0.0		0		0.0		0		0.0	
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Cont. Exist. Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Alternative Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
COST SAVINGS/AVOIDANCES	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708
Increased Revenues		0		0		0		0		0		0		0
Net (Cost) or Benefit	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708
Cum. Net (Cost) or Benefit	5014.5	407,274,118	10029.0	814,548,236	15043.5	1,221,822,354	20058.0	1,629,096,472	25072.5	2,036,370,590	30087.0	2,443,644,708		

ALTERNATIVE #2																
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Cont. Exist. Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Alternative Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
COST SAVINGS/AVOIDANCES	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708
Increased Revenues		0		0		0		0		0		0		0		0
Net (Cost) or Benefit	5014.5	407274118.0	5014.5	407274118.0	5014.5	407274118.0	5014.5	407274118.0	5014.5	407274118.0	5014.5	407274118.0	5014.5	407274118.0	30087.0	2,443,644,708
Cum. Net (Cost) or Benefit	5014.5	407,274,118	10029.0	814,548,236	15043.5	1,221,822,354	20058.0	1,629,096,472	25072.5	2,036,370,590	30087.0	2,443,644,708				

Note 1: Per direction from CaTA, the description of Line 17 was changed from "Increased Revenues" to "Project Objective Savings".

Note 2: "Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

ECONOMIC ANALYSIS SUMMARY

All costs to be shown in whole (unrounded) dollars.

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	SUBTOTAL		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		TOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
EXISTING SYSTEM														
Total IT Costs	51.0	8,987,892	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	0.0	0	0.0	0	76.5	13,481,838
Total Program Costs	30036.0	2,434,656,816	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	0.0	0	0.0	0	45054.0	3,651,985,224
Total Existing System Costs	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
PROPOSED ALTERNATIVE														
	Web Based Solution													
Total Project Costs	17.1	12,201,168	3.0	8,428,677	4.7	3,893,441	5.0	2,599,142	0.0	0	0.0	0	29.8	27,122,428
Total Cont. Exist. Costs	30087.0	2,444,296,686	5014.5	407,058,595	5006.0	405,779,736	5006.0	405,779,736	0.0	0	0.0	0	45113.5	3,662,914,753
Total Alternative Costs	30104.1	2,456,497,854	5017.5	415,487,272	5010.7	409,673,177	5011.0	408,378,878	0.0	0	0.0	0	45143.3	3,690,037,181
COST SAVINGS/AVOIDANCES	(17.1)	(12,853,146)	(3.0)	(8,213,154)	3.8	(2,399,059)	3.5	(1,104,760)	0.0	0	0.0	0	(12.8)	(24,570,119)
Project Objective Savings		0		0		6,730,753		12,433,720		18,750,049		0		37,914,522
Net (Cost) or Benefit	(17.1)	(12,853,146)	(3.0)	(8,213,154)	3.8	4,331,694	3.5	11,328,960	0.0	18,750,049	0.0	0	(12.8)	13,344,403
Cum. Net (Cost) or Benefit	(17.1)	(12,853,146)	(3.0)	(8,213,154)	3.8	4,331,694	3.5	11,328,960	0.0	18,750,049	0.0	0	(12.8)	13,344,403
ALTERNATIVE #1														
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Cont. Exist. Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Alternative Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
COST SAVINGS/AVOIDANCES	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
Increased Revenues		0		0		0		0		0		0		0
Net (Cost) or Benefit	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
Cum. Net (Cost) or Benefit	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
ALTERNATIVE #2														
Total Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Cont. Exist. Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Alternative Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
COST SAVINGS/AVOIDANCES	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
Increased Revenues		0		0		0		0		0		0		0
Net (Cost) or Benefit	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062
Cum. Net (Cost) or Benefit	30087.0	2,443,644,708	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	0.0	0	0.0	0	45130.5	3,665,467,062

Note 1: Per direction from CaTA, the description of Line 17 was changed from "Increased Revenues" to "Project Objective Savings".

Note 2: "Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

PROJECT FUNDING PLAN

Department: Department of Transportation

Date Prepared: Feb 2011

Project: Construction Management System

All Costs to be in whole (unrounded) dollars

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTALS	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
TOTAL PROJECT COSTS	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
RESOURCES TO BE REDIRECTED														
Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Funds:														
Existing System		0		0		0		0		0		0		0
Other Fund Sources		0		0		0		0		0		0		0
TOTAL REDIRECTED RESOURCES	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
ADDITIONAL PROJECT FUNDING NEEDED														
One-Time Project Costs	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
Continuing Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ADDITIONAL PROJECT FUNDS NEEDED BY FISCAL YEAR	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
TOTAL PROJECT FUNDING	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	17.1	12,201,168
Difference: Funding - Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Estimated Cost Savings	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0

FUNDING SOURCE*														
General Fund	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Federal Fund	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Special Fund	100%	1,074,304	100%	580,688	100%	819,870	100%	800,491	100%	521,109	100%	8,404,706	100%	12,201,168
Reimbursement	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
TOTAL FUNDING	100%	1,074,304	100%	580,688	100%	819,870	100%	800,491	100%	521,109	100%	8,404,706	100%	12,201,168

*Type: If applicable, for each funding source, beginning on row 29, describe what type of funding is included, such as local assistance or grant funding, the date the funding is to become available, and the duration of the funding.

ADJUSTMENTS, SAVINGS AND REVENUES WORKSHEET

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		
Annual Project Adjustments	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	
One-time Costs													
Previous Year's Baseline	0.0	0	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	
(A) Annual Augmentation /(Reduction)	4.0	1,074,304	(1.6)	(493,616)	0.0	239,182	0.0	(19,379)	0.5	(279,382)	0.1	7,883,597	
(B) Total One-Time Budget Actions	4.0	1,074,304	2.4	580,688	2.4	819,870	2.4	800,491	2.9	521,109	3.0	8,404,706	
Continuing Costs													
Previous Year's Baseline	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
(C) Annual Augmentation /(Reduction)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
(D) Total Continuing Budget Actions	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
Total Annual Project Budget Augmentation /(Reduction) [A + C]	4.0	1,074,304	(1.6)	(493,616)	0.0	239,182	0.0	(19,379)	0.5	(279,382)	0.1	7,883,597	

[A, C] Excludes Redirected Resources

Total Additional Project Funds Needed [B + D]**Annual Savings/Revenue Adjustments**

Cost Savings	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Increased Project Objective Savings		0		0		0		0		0		0

Note 1: Per direction from CaTA, the description of Line 55 was changed from "Increased Program Revenues" to "Increased Project Objective Savings".

Note 2: "Increased Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

PROJECT FUNDING PLAN

Department: Department of Transportation

Date Prepared: Feb 2011

Project: Construction Management System

All Costs to be in whole (unrounded) dollars

CMS SPR 3
(Rev.: 4/15/2011 per CaTA)

	SUBTOTALS		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		TOTALS	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
TOTAL PROJECT COSTS	17.1	12,201,168	3.0	8,428,677	4.7	3,893,441	5.0	2,599,142	0.0	0	0.0	0	29.8	27,122,428
RESOURCES TO BE REDIRECTED														
Staff	0.0	0	0.0	0	4.0	443,772	5.0	599,626	0.0	0	0.0	0	9.0	1,043,398
Funds:														
Existing System		0		0		0		0		0		0		0
Other Fund Sources		0		0		1,262,385		1,999,516		0		0		3,261,901
TOTAL REDIRECTED RESOURCES	0.0	0	0.0	0	4.0	1,706,157	5.0	2,599,142	0.0	0	0.0	0	9.0	4,305,299
ADDITIONAL PROJECT FUNDING NEEDED														
One-Time Project Costs	17.1	12,201,168	3.0	8,428,677	0.7	2,187,284	0.0	0	0.0	0	0.0	0	20.8	22,817,129
Continuing Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ADDITIONAL PROJECT FUNDS NEEDED BY FISCAL YEAR	17.1	12,201,168	3.0	8,428,677	0.7	2,187,284	0.0	0	0.0	0	0.0	0	20.8	22,817,129
TOTAL PROJECT FUNDING	17.1	12,201,168	3.0	8,428,677	4.7	3,893,441	5.0	2,599,142	0.0	0	0.0	0	29.8	27,122,428
Difference: Funding - Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Estimated Cost Savings	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
FUNDING SOURCE*														
General Fund	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Federal Fund	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
Special Fund	100%	12,201,168	100%	8,428,677	100%	3,893,441	100%	2,599,142	0%	0	0%	0	100%	27,122,428
Reimbursement	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
TOTAL FUNDING	100%	12,201,168	100%	8,428,677	100%	3,893,441	100%	2,599,142	0%	0	0%	0	100%	27,122,428

*Type: If applicable, for each funding source, beginning on row 29, describe what type of funding is included, such as local assistance or grant funding, the date the funding is to become available, and the duration of the funding.

ADJUSTMENTS, SAVINGS AND REVENUES WORKSHEET

Date Prepared: Feb 2011

CMS SPR 3

(Rev.: 4/15/2011 per CaTA)

Annual Project Adjustments		FY 2012/13		FY 2013/14		FY 2014/15		FY 2015/16		FY 2016/17		Net Adjustments
		PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs Amtc
One-time Costs												
Previous Year's Baseline		3.0	8,404,706	3.0	8,428,677	0.7	2,187,284	0.0	0	0.0	0	
(A) Annual Augmentation /(Reduction)		0.0	23,971	(2.3)	(6,241,393)	(0.7)	(2,187,284)	0.0	0	0.0	0	
(B) Total One-Time Budget Actions		3.0	8,428,677	0.7	2,187,284	0.0	0	0.0	0	0.0	0	20.8 22,817,129
Continuing Costs												
Previous Year's Baseline		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
(C) Annual Augmentation /(Reduction)		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
(D) Total Continuing Budget Actions		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0 0
Total Annual Project Budget Augmentation /(Reduction) [A + C]		0.0	23,971	(2.3)	(6,241,393)	(0.7)	(2,187,284)	0.0	0	0.0	0	

[A, C] Excludes Redirected Resources

Total Additional Project Funds Needed [B + D]**20.8 22,817,129****Annual Savings/Revenue Adjustments**

Cost Savings		0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	
Increased Project Objective Savings			0		6,730,753		12,433,720		18,750,049		0	

Note 1: Per direction from CaTA, the description of Line 55 was changed from "Increased Program Revenues" to "Increased Project Objective Savings".

Note 2: "Increased Project Objective Savings" reflect the estimated project savings as described in the FSR, beginning FY13/14.

RISK MGR: Chrissanthis
PHONE:

916-654-5161

Construction Management System RISK REGISTER

DATE: 2/17/11

Risk Description					Risk Assessment					Risk Response						
Risk ID #	Status	Open Date	Title	Description (Cause, Event, Effect)	Primary Type	Risk Matrix	Exposure	WBS Impacted Element(s)	Duration	Strategy	WBS Response Implementation Element	Response Plan	Activity Log	Risk Owner	Contingency Trigger	Contingency Plan
81	Monitor	03/10/10	Not having IT PM during DDI Phase.	CMS must identify new IT PM during DDI Phase. Current IT PM contract will end when CMS procurement phase is complete. CMS IT PM needs to have appropriate authority level within IT to be able to direct IT activities, staff, & resources. HQ DOC has no choice in selecting a new CMS IT PM.	Schedule and Cost	<div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>12</div> <div>Impact</div>	24	WBS 50 Vendor Contract to WBS	6 months	Mitigation	WBS	(1) Keep ITPMO aware of the risk at regular monthly meetings. (2) CMS PM to meet with IT PM concerning this risk.	03/22/10 - Notified ITPMO and project sponsor regarding its risk to the CMS project. 04/12/10 - Nick Mathias will follow-up with IT PMO and will provide update to the RO. 04/26/10 - No change/activity to report. 06/14/10 - No change/activity to report. 06/16/10 - Project sponsor recommended increasing the impact rating to 8 (keeping the probability the same) resulting to an exposure rating of 40. 06/28/10 - IT has scheduled to advertise ITPM vacant position in Sept 2010. 07/12/10 - No change/activity to report. 07/26/10 - No change/activity to report. 09/14/10 - Due to the hiring freeze, the ITPM position is still open and no recent activity to report. 09/27/10 - No change to report. Shaun Ng will check status with Kari Gutierrez. 01/10/11 - Kari Gutierrez has identified/assigned an ITPM for this project during DDI phase, Ronda Campbell. Team has agreed to lower probability to 50%. 01/19/11 - No change/activity to report.	Jarrett Woodruff	(1) Completion of DOF review and approval (WBS 45.3 - Finish date of 11/8/10) (2) CMS selects a new consultant IT PM.	(1) IT management assigns IT PM. (2) CMS selects a new consultant IT PM.
82	Monitor	06/23/10	Elevation and Generalization of Business Requirements for Solutions Based Procurement	(1) High-level business reqts, may result in add'l business process re-engineering incl policy, procedures, specs & training. Additional process re-engineering may lead to add'l support costs not originally forecast. (2) Significant business process change could impact internal and external users' acceptance of the new system. Reluctance to use the new system could perpetuate the use of existing shadow systems. (3) Significant revision to business processes could delay implementation of the system as changes to specs, policy, procedure and training often require a vetting process within the department and with its business partners.	Schedule and Cost	<div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>12</div> <div>Impact</div>	32	WBS 50.2.1 Functional Group 1 Function 1 Design through WBS 50.3.1 Functional Groups 2-7 Function 2-7 Design	< 6 months	Acceptance		(1) Work with vendor after contract award to review and confirm requirements.	06/28/10 - Maintain Traceability Report of business requirements, try to map current requirements to the CMS Requirements USE Case Report prepared by MCorp (07/2007) for use in the DDI phase of the project. 07/12/10 - No change/activity to report. 07/26/10 - No change/activity to report. 09/14/10 - No change/activity to report. 09/27/10 - No change/activity to report. 01/10/11 - No change/activity to report. 01/19/11 - No change/activity to report.	Tom Newman	(1) Contract award	
79	Monitor	11/18/09	Continuing Operational Cost After System Implementation	As a result of the ongoing state budget and economic uncertainties, CMS may not gain approval for the necessary funds in operating the delivered CMS solution.	Cost	<div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>12</div> <div>Impact</div>	32	WBS 50.2.4 Functional Group 1 Function 1 Implementation through WBS 50.3.4 Function 2-7 Implementation	> 18 months	Mitigation		(1) Avoid Mitigate by identifying and securing funding once the solution's ongoing resource reqts. have been determined and before a deadline to submit requests for the necessary increases in resources from the department. 12/16/09 - Probability reduced to 30% since the odds in getting the funds is pretty slim. 01/29/10 - Risk strategy revised from "avoidance" to "mitigation", and updated WBS to be consistent with current project schedule. 02/11/10 - No change/activity to report. 04/12/10 - No change/activity to report. 04/26/10 - No change/activity to report. 06/14/10 - No change/activity to report. 06/28/10 - No change/activity to report. 07/12/10 - No change/activity to report. 07/12/10 - No change/activity to report. 09/14/10 - No change/activity to report. 09/27/10 - No change/activity to report. 01/10/11 - A Finance Letter (FL) has been crafted to request for ongoing funding of annual maintenance and operational (M&O) costs. Final FL is due to the DOF by 2/14/11.	Pete Spector	(1) OTech Managed Services or privately hosted solution resource reqts. is greater than the incurred operational cost on the current CAS system.	(1) DOC to request funding for operation of the new system commensurate with that necessary upon implementation of each functional phase.	
70	Monitor	01/16/09	Inadequate IT CAS Technical Resources to Support CAS Data Conversion Plan	Inadequate IT CAS technical resources may lead to errors in our understanding of the underlying data and application, which the CMS is to replace.	Schedule, Cost and Scope	<div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>12</div> <div>Impact</div>	24	WBS 8 CAS Data Conversion (Residual Contracts) WBS 8.2 CAS Information	> 12 months	Mitigation	WBS 8.2 CAS Information	(1) Determine if there are any other IT personnel available to assist in learning the CAS system well enough to converse with us in the development of a conversion plan. Ultimately the data conversion must be performed prior to the completion/rollout of the CMS. (Completed 06/2009) (2) Continuously monitor changes in CAS data and its structure through the completion of the project. 10/22/09 - RO continues to monitor changes in CAS data and its structure. 12/10/09 - No change/activity to report. 02/11/10 - No change/activity to report. 02/22/10 - RO continues to monitor changes and coordinate with ITSD on resources. 03/22/10 - Contacted ITSD supervisor and provided project schedule update on the future need of ITSD resources. 04/12/10 - ITSD supervisor requested the RO to provide IT staffing reqts for the CMS project prior to end of this year. 04/26/10 - Khanh Quan will review risk & make recommendation for potential modification of exposure rating. 06/28/10 - No change/activity to report. 07/12/10 - No change/activity to report. 07/26/10 - No change/activity to report. 09/14/10 - No change/activity to report. 09/27/10 - No change/activity to report. 01/10/11 - Risk description has been revised - first 2 sentences are no longer applicable to this risk. 01/19/11 - No chnange/activity to report.	Karen Glabas			

Construction Management System
RISK REGISTER

916-654-5161

Risk Description					Risk Assessment					Risk Response						
Risk ID #	Status	Open Date	Title	Description (Cause, Event, Effect)	Primary Type	Risk Matrix	Exposure	WBS Impacted Element(s)	Duration	Strategy	WBS Response Implementation Element	Response Plan	Activity Log	Risk Owner	Contingency Trigger	Contingency Plan
75	Executing Response	07/15/09	Complex Evaluation and Scoring Criteria May Lead To Protest	As a result of the new procurement strategy allowing any type of solution, including an ASP, custom and COTS/MOTS, the evaluation and scoring criteria will be complex and runs the increased risk of being challenged by unsuccessful bidders.	Schedule	<div>Probability</div> <div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>Impact</div>	16	WBS 16.5 Proposal Evaluation and Selection	> 18 months	Mitigation	WBS 16.1.1.1 Working Session Meetings (Revise RFP) WBS 16.1.2 Obtain RFP Reviews and Approvals	(1) Utilize RFP working session meetings to address known concerns with evaluation and scoring criteria. (Completed) (2) Use CMS team members' experiences to consider pitfalls associated with multiple types of vendors and proactively address concerns with the RFP and evaluation and scoring criteria. (Completed) (3) Obtain appropriate legal review of specific portions of RFP, evaluation and scoring criteria to help ensure provisions are fair and defensible if later protested. (Completed) (4) Include alternative protest process requirements within the RFP to minimize baseless protests from disgruntled bidders. (Not applicable in PCC 6611) (5) Acquisition Specialist will provide training to Evaluation Team prior to review of Conceptual and Final Proposals and address questions related to scoring different types of vendor proposals. (Completed)	02/22/10 - DGS staff are amenable with Laura Okawa providing training & support during the Final Proposal evaluation. 03/22/10 - No change/activity to report. 04/12/10 - Laura Okawa to provide training to the Evaluation and Reference Check teams. 04/22/10 - Training is scheduled for 05/06/2010. 04/26/10 - No change/activity to report. 06/14/10 - The evaluation of proposals conducted during the past weeks turned out to be complex. 06/28/10 - The evaluation resulted with no compliant proposals, therefore, they have been declared draft proposals. 07/12/10 - No change/activity to report. 07/26/10 - No change/activity to report. 09/14/10 - No recent activity to report. Bidders who submitted final proposals are allowed to protest 3 business days after intent to award. Intent to award is delayed pending contract negotiation. 09/27/10 - No change/activity to report. 01/10/11 - Project is currently under PCC 6611 stating that unsuccessful bidders have no right to protest but can proceed in litigation. Therefore, this risk will be retired.	Tom Newman		
33	Monitor	Reopened 06/05/09 07/13/07	Staff Turnover Causes Project Delay	As a result of possible reassignments, attrition or other obligations, the loss of key project staff may occur, which may result in delays to the schedule.	Schedule	<div>Probability</div> <div>5 (90%) 4 (70%) 3 (50%) 2 (30%) 1 (10%)</div> <div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div> <div>Impact</div>	16	All	< 6 months	Avoidance		(1) Actively maintain project documentation so new staff can be brought up to speed on project status quickly.	02/22/10 - RO continues to work in getting a replacement for the CMS Change Mgmt & Training Manager vacant position. 03/22/10 - Two senior TE (Civil) positions (Permanent & Limited terms) advertised in SPB with a March 29th 2010 final filing date. 04/12/10 - Interview scheduled during the week of April 19th for the Senior TE permanent position. 04/26/10 - RO provided verbal offer for Sr TE permanent position to selected candidate. 06/14/10 - New Sr. TE on board 05/10/10 as the 7th member of the CMS evaluation team and will be the Change Implementation Manager. Limited term position is still pending DOF approval. 06/28/10 - No change/activity to report. 07/12/10 - No change/activity to report. 07/26/10 - Senior TE (Civil) limited term position was re-advertised on 07/22/10. 09/14/10 - Currently screening candidates for senior TE (Civil) limited term position. 09/27/10 - Due to ongoing project issues, the hiring process is put on hold. 01/10/11 - Jarrett Woodruff is leaving the CMS project team. 01/19/11 - No change/activity to report.	Shaun Ng		

Project Name: Construction Management System
OCIO Project #: 2660-415
Department: Transportation
Revision Date: 2/1/11

Complexity Assessment

Business Complexity

Instructions: On a scale of .5 - low to 4-high (0 = N/A), rate each applicable attribute and compute the Business Complexity by dividing the total by the number of items rated above zero. [Notes: Business and technical complexity will be computed automatically in this worksheet, using the ratings you enter. Move your pointer over each attribute cell, marked with a red triangle, to see a definition of the attribute.]

Low Complexity	Business Attribute	High Complexity	Rating
0			
Static	Business rules	Changing	3
Static	Current Business Systems	Changing	3
Known and Followed	Decision Making Process	Not Known	2.5
Low ¹	Financial Risk to State	High	4
Local ²	Geography	State Wide ⁴	4
Clear and Stable	High Level Requirements	Vague	3
Few & Routine	Interaction with Other Departments and Entities ³	Many and New	3
None	Impact to Business Process	High	4
Few & Straight Forward	Issues	Multiple & Contentious	2.5
High	Level of Authority	Low	3
Clear	Objectives	Vague	2.5
Established	Policies	Non-existent	2.5
Minimal	Politics	High	3
Familiar	Target Users	Unfamiliar	4
Experienced	Project Manager's Experience	Inexperienced	2
Experienced	Team	Inexperienced	2
Loose	Time Scale	Tight	4
Low	Visibility	High	4
Total:			56
Complexity:			3.1

Project Name: Construction Management System
OCIO Project #: 2660-415
Department: Transportation
Revision Date: 2/1/11

Complexity Assessment

Technical Complexity

Instructions: On a scale of 0-low to 4-high, rate each applicable attribute and compute the Technical Complexity by dividing the total by the number of items rated above zero. Use the definitions in the student notebook for clarity.

Low Complexity	Technical Attribute	High Complexity	Rating
0			
Local	Communications	State wide	4
Established	Delivery Mechanism	New	4
Local	Geography	State wide	4
Proven	Hardware	New	1
Stand-alone	Level Of Integration	Tightly Integrated	4
Proven/Stable	Networks (L/W)	New	1
In place	New Technology Architecture	Not in place	4
9-5, Mon-Fri	Operations	24-hour, 7-day	4
Expert	PM Technical Experience	Novice	3
Established and in use	Scope Management Process	None	4
Light	Security	Tight	3
Proven	Software	New	3
Established and In Use	Standards And Methods	None	3
Experienced	Team	Inexperienced	2
High	Tolerance To Fault	Low	4
Low	Transaction Volume	High	4
Total:			52
Complexity:			3.3

Project Name: Construction Management System

OCIO Project #: 2660-415

Department: Transportation

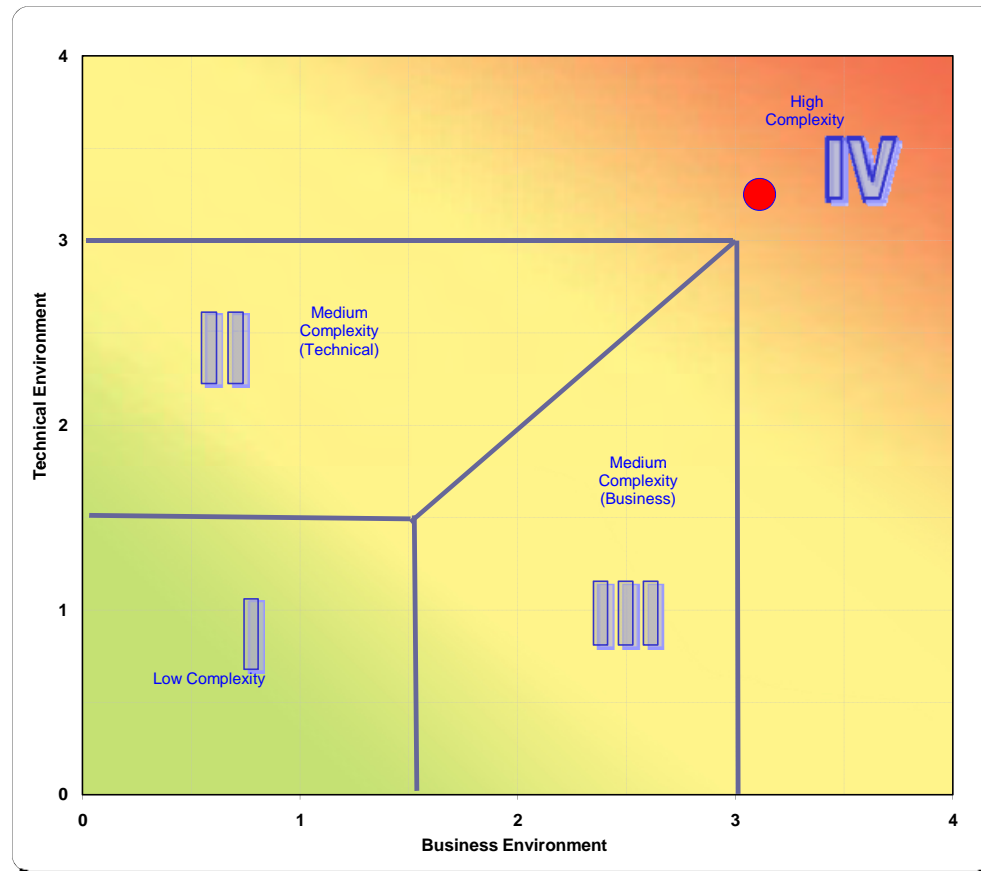
Revision Date: 2/1/11

Complexity Assessment

Complexity Diagram

Instructions: Plot your project in the appropriate complexity zone.

[Note: Your project will be plotted automatically in this worksheet, using the values computed in the previous tables.]



Scores	Business Complexity	3.1
	Technical Complexity	3.3

Project Name: Construction Management System

OCIO Project #: 2660-415

Department: Transportation

Revision Date: 2/1/11

Complexity Assessment

Suggested Project Manager Skill Set Guidelines

Complexity		Duration		Budget		Resources	
<input type="checkbox"/>	Zone 1	<input type="checkbox"/>	< 6 months	<input type="checkbox"/>	<\$500K	<input type="checkbox"/>	< 5
<input type="checkbox"/>	Zone II, Medium Zone III, Medium	<input type="checkbox"/>	< 1 year	<input type="checkbox"/>	<\$1M	<input type="checkbox"/>	<10
<input type="checkbox"/>	Zone II, High Zone III, High	<input type="checkbox"/>	>1 year; < 3 years	<input type="checkbox"/>	>\$1M; <\$5M	<input type="checkbox"/>	11 – 20
<input checked="" type="checkbox"/>	Zone IV	<input checked="" type="checkbox"/>	>3 years; <10 years	<input checked="" type="checkbox"/>	>\$5M; <\$100M	<input checked="" type="checkbox"/>	21 – 40
		<input type="checkbox"/>	>10 years	<input type="checkbox"/>	>\$100M	<input type="checkbox"/>	40+

PM Level: 4

Experience: 5+ years working as Project Manager or Project Director on large IT projects .
Technical experience commensurate with the proposed technology.

Professional Knowledge: Strong working knowledge of the CA-PMM; CA Budgeting,
Procurement and Contracting processes; department's methodology; and Software
Development Life Cycle.

For Oversight Purposes:

Zone I = Low Criticality/Risk

Zones II and III = Medium Criticality/Risk

Zone IV = High Criticality/Risk

Assess the complexity of the project periodically: every two - three months and/or
at the conclusion of each phase



Section 8 - Economic Analysis

Figure 8-1 Existing System Cost

EXISTING SYSTEM/BASELINE COST WORKSHEET

All costs to be shown in whole (unrounded) dollars.

Date Prepared: 09/28/2005

Department of Transportation
Construction Management System

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
Continuing Information Technology Costs														
Staff (salary & benefits)	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	51.0	4,431,120
Hardware Lease/Maintenance		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0
Contract Services		175,000		175,000		175,000		175,000		175,000		175,000		1,050,000
Data Center Services		584,462		584,462		584,462		584,462		584,462		584,462		3,506,772
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	51.0	8,987,892
Continuing Program Costs:														
Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Other		0		0		0		0		0		0		0
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
TOTAL EXISTING SYSTEM COSTS	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708



Figure 8-2 Proposed Alternative

PROPOSED ALTERNATIVE: Modify Existing State Solution (from other Transportation Depts.)

Date Prepared: 09/28/2005

Department of Transportation
Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
One-Time IT Project Costs														
Staff (Salaries & Benefits)	3.0	202,500	5.8	643,242	9.9	936,808	3.1	271,258	0.0	0	0.0	0	21.8	2,053,808
Hardware Purchase		0		354,218		767,689		0		0		0		1,121,907
Software Purchase/License		0		239,344		0		0		0		0		239,344
Telecommunications		0		0		0		0		0		0		0
Contract Services														
Software Customization		0		3,396,557		1,936,186		2,384,122		0		0		13,716,855
Project Management/Procurement		556,416		334,656		290,304		120,980		0		0		1,302,336
Project Oversight		48,909		280,325		326,592		136,080		0		0		791,986
IT&V Services		43,546		491,098		580,608		241,920		0		0		1,357,172
Technical Training		0		0		50,000		0		0		0		50,000
TOTAL Contract Services		648,951		4,502,636		9,183,690		2,883,082		0		0		17,218,359
Data Center Services		0		60,000		60,000		20,000		0		0		140,000
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	3.0	851,451	5.8	5,799,440	9.9	10,948,187	3.1	3,174,340	0.0	0	0.0	0	21.8	20,773,418
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	8.5	679,000	8.5	679,000	8.5	679,000	25.5	2,037,026
Hardware Lease/Maintenance		0		0		70,844		253,487		253,487		253,487		831,305
Software Maintenance/Licenses		0		0		175,869		175,869		175,869		175,869		703,476
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		125,000		250,000		250,000		625,000
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	246,713	8.5	1,233,356	8.5	1,358,356	8.5	1,358,356	25.5	4,196,781
Total Project Costs	3.0	851,451	5.8	5,799,440	9.9	11,194,900	11.6	4,407,696	8.5	1,358,356	8.5	1,358,356	47.3	24,970,199
Continuing Existing Costs														
Information Technology Staff	8.5	738,520	8.5	738,520	8.5	738,520	0.0	0	0.0	0	0.0	0	25.5	2,215,560
Other IT Costs		759,462		759,462		759,462		379,731		3,600		3,600		2,665,317
Total Continuing Existing IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	0.0	379,731	0.0	3,600	0.0	3,600	25.5	4,880,877
Program Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Other Program Costs		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Total Continuing Existing Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5006.0	406,155,867	5006.0	405,779,736	5006.0	405,779,736	30061.5	2,439,537,693
TOTAL ALTERNATIVE COSTS	5017.5	408,125,569	5020.3	413,073,558	5024.4	418,469,018	5017.6	410,563,563	5014.5	407,138,092	5014.5	407,138,092	30108.8	2,464,507,892
INCREASED REVENUES		0		0		0		0		0		0		0



Figure 8-3 Other Alternative Cost

ALTERNATIVE #1: Custom Development Effort

Date Prepared: 09/28/2005

Department of Transportation
Construction Management System

All Costs Should be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
One-Time IT Project Costs														
Staff (Salaries & Benefits)	3.0	202,500	5.8	643,242	9.9	936,808	3.1	271,258	0.0	0	0.0	0	21.8	2,053,808
Hardware Purchase		0		354,218		767,689		0		0		0		1,121,907
Software Purchase/License		0		79,344		0		0		0		0		79,344
Telecommunications		0		0		0		0		0		0		0
Contract Services		250,000												250,000
Procurement/RFP Specialist		0		4,585,352		10,113,651		3,218,565		0		0		18,517,768
Software Customization		751,162		451,786		391,910		163,296		0		0		1,758,154
Project Management		65,135		378,439		440,899		183,708		0		0		1,069,181
Project Oversight		58,787		662,982		783,821		326,592		0		0		1,832,182
IT&V Services		0		0		50,000		0		0		0		50,000
Other Contract Services		876,084		6,078,539		12,380,482		3,892,161		0		0		23,227,266
TOTAL Contract Services		0		60,000		60,000		20,000		0		0		140,000
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total One-time IT Costs	3.0	1,078,584	5.8	7,215,363	9.9	14,144,879	3.1	4,183,419	0.0	0	0.0	0	21.8	26,622,344
Continuing IT Project Costs														
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	8.5	679,000	8.5	679,000	8.5	679,000	25.5	2,037,000
Hardware Lease/Maintenance		0		0		22,844		205,487		205,487		205,487		639,305
Software Maintenance/Licenses		0		0		15,869		15,869		15,869		15,869		63,476
Telecommunications		0		0		0		0		0		0		0
Contract Services		0		0		0		125,000		250,000		250,000		625,000
Data Center Services		0		0		0		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	38,713	8.5	1,025,356	8.5	1,150,356	8.5	1,150,356	25.5	3,364,781
Total Project Costs	3.0	1,078,584	5.8	7,215,363	9.9	14,183,692	11.6	5,208,775	8.5	1,150,356	8.5	1,150,356	47.3	29,987,125
Continuing Existing Costs														
Information Technology Staff	8.5	738,520	8.5	738,520	8.5	738,520	0.0	0	0.0	0	0.0	0	25.5	2,215,560
Other IT Costs		759,462		759,462		759,462		379,731		3,600		3,600		2,665,317
Total Continuing Existing IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	0.0	379,731	0.0	3,600	0.0	3,600	25.5	4,880,877
Program Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Other Program Costs		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Total Continuing Existing Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5006.0	406,155,867	5006.0	405,779,736	5006.0	405,779,736	30061.5	2,439,537,693
TOTAL ALTERNATIVE COSTS	5017.5	408,352,702	5020.3	414,489,481	5024.4	421,457,810	5017.6	411,364,642	5014.5	406,930,092	5014.5	406,930,092	30108.8	2,469,524,818
INCREASED REVENUES		0		0		0		0		0		0		0



Figure 8-4 Economic Analysis Summary

ECONOMIC ANALYSIS SUMMARY

Date Prepared: 09/28/2005

Department of Transportation
Construction Management System

All costs to be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
EXISTING SYSTEM														
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	51.0	8,987,892
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	30036.0	2,434,656,816
Total Existing System Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	30087.0	2,443,644,708
PROPOSED ALTERNATIVE														
	Modify Existing State Solution (from other Transportation Depts.)													
Total Project Costs	3.0	851,451	5.8	5,799,440	9.9	11,194,900	11.6	4,407,696	8.5	1,358,356	8.5	1,358,356	47.3	24,970,199
Total Cont. Exist. Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5006.0	406,155,867	5006.0	405,779,736	5006.0	405,779,736	30061.5	2,439,537,693
Total Alternative Costs	5017.5	408,125,569	5020.3	413,073,558	5024.4	418,469,018	5017.6	410,563,563	5014.5	407,138,092	5014.5	407,138,092	30108.8	2,464,507,892
COST SAVINGS/AVOIDANCES	(3.0)	(851,451)	(5.8)	(5,799,440)	(9.9)	(11,194,900)	(3.1)	(3,289,445)	0.0	136,026	0.0	136,026	(21.8)	(20,863,184)
Increased Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net (Cost) or Benefit	(3.0)	(851,451)	(5.8)	(5,799,440)	(9.9)	(11,194,900)	(3.1)	(3,289,445)	0.0	136,026	0.0	136,026	(21.8)	(20,863,184)
Cum. Net (Cost) or Benefit	(3.0)	(851,451)	(8.8)	(6,650,891)	(18.6)	(17,845,791)	(21.8)	(21,135,236)	(21.8)	(20,999,210)	(21.8)	(20,863,184)		
ALTERNATIVE #1														
	Custom Development Effort													
Total Project Costs	3.0	1,078,584	5.8	7,215,363	9.9	14,183,692	11.6	5,208,775	8.5	1,150,356	8.5	1,150,356	47.3	29,987,125
Total Cont. Exist. Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5006.0	406,155,867	5006.0	405,779,736	5006.0	405,779,736	30061.5	2,439,537,693
Total Alternative Costs	5017.5	408,352,702	5020.3	414,489,481	5024.4	421,457,810	5017.6	411,364,642	5014.5	406,930,092	5014.5	406,930,092	30108.8	2,469,524,818
COST SAVINGS/AVOIDANCES	(3.0)	(1,078,584)	(5.8)	(7,215,363)	(9.9)	(14,183,692)	(3.1)	(4,090,524)	0.0	344,026	0.0	344,026	(21.8)	(25,880,110)
Increased Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net (Cost) or Benefit	(3.0)	(1,078,584)	(5.8)	(7,215,363)	(9.9)	(14,183,692)	(3.1)	(4,090,524)	0.0	344,026	0.0	344,026	(21.8)	(25,880,110)
Cum. Net (Cost) or Benefit	(3.0)	(1,078,584)	(8.8)	(8,293,946)	(18.6)	(22,477,638)	(21.8)	(26,568,162)	(21.8)	(26,224,136)	(21.8)	(25,880,110)		



Figure 8-5 Funding Plan

PROJECT FUNDING PLAN

Department of Transportation

All Costs to be in whole (unrounded) dollars

Date Prepared: 09/28/2

Construction Management System

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		SUBTOTALS	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
TOTAL PROJECT COSTS	3.0	851,451	5.8	5,799,440	9.9	11,194,900	11.6	4,407,696	8.5	1,358,356	8.5	1,358,356	47.3	24,970,199
RESOURCES TO BE REDIRECTED														
Staff	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Funds:														
Existing System		0		0		0		0		0		0		0
Other Fund Sources		0		0		0		0		0		0		0
TOTAL REDIRECTED RESOURCES	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
ADDITIONAL PROJECT FUNDING NEEDED														
One-Time Project Costs	3.0	851,451	5.8	5,799,440	9.9	10,948,187	3.1	3,174,340	0.0	0	0.0	0	21.8	20,773,418
Continuing Project Costs	0.0	0	0.0	0	0.0	246,713	8.5	1,233,356	8.5	1,358,356	8.5	1,358,356	25.5	4,196,781
TOTAL ADDITIONAL PROJECT FUNDS NEEDED BY FISCAL YEAR	3.0	851,451	5.8	5,799,440	9.9	11,194,900	11.6	4,407,696	8.5	1,358,356	8.5	1,358,356	47.3	24,970,199
TOTAL PROJECT FUNDING	3.0	851,451	5.8	5,799,440	9.9	11,194,900	11.6	4,407,696	8.5	1,358,356	8.5	1,358,356	47.3	24,970,199
Difference: Funding - Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Estimated Cost Savings	0.0	0	0.0	0	0.0	0	0.0	6,730,753	0.0	12,433,720	0.0	18,750,049	0.0	37,914,522



Figure 8-6 Adjustments, Savings, and Revenues
ADJUSTMENTS, SAVINGS AND REVENUES WORKSHEET
(DOF Use Only)

Department of Transportation
 Construction Management System

Date Prepared: 09/28/2005

	FY	2006/07	FY	2007/08	FY	2008/09	FY	2009/10	FY	2010/11	FY	2011/12	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	
Annual Project Adjustments													
One-time Costs													
Previous Year's Baseline	0.0	0	3.0	851,451	5.8	5,799,440	9.9	10,948,187	3.1	3,174,340	0.0	0	
(A) Annual Augmentation /(Reduction)	3.0	851,451	2.8	4,947,989	4.1	5,148,747	(6.8)	(7,773,847)	(3.1)	(3,174,340)	0.0	0	
(B) Total One-Time Budget Actions	3.0	851,451	5.8	5,799,440	9.9	10,948,187	3.1	3,174,340	0.0	0	0.0	0	
Continuing Costs													
Previous Year's Baseline	0.0	0	0.0	0	0.0	0	0.0	246,713	8.5	1,233,356	8.5	1,358,356	
(C) Annual Augmentation /(Reduction)	0.0	0	0.0	0	0.0	246,713	8.5	986,543	0.0	125,000	0.0	0	
(D) Total Continuing Budget Actions	0.0	0	0.0	0	0.0	246,713	8.5	1,233,356	8.5	1,358,356	8.5	1,358,356	
Total Annual Project Budget Augmentation /(Reduction) [A + C]	3.0	851,451	2.8	4,947,989	4.1	5,395,460	1.7	(6,787,204)	(3.1)	(3,049,340)	0.0	0	

[A, C] Excludes Redirected Resources

Total Additional Project Funds Needed [B + D]

Annual Savings/Revenue Adjustments

Cost Savings	0.0	0	0.0	0	0.0	0	0.0	6,730,753	0.0	12,433,720	0.0	18,750,049	
Increased Program Revenues		0		0		0		0		0		0	

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Department of Transportation
Construction Management System

EXISTING SYSTEM/BASELINE COST WORKSHEET
All costs to be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		FY 2012/13		FY 2013/14		FY 2014/15		SUBTOTAL	
	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts	FYs	Amts
Continuing Information																				
Technology Costs																				
Staff (salaries & benefits)	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	8.5	738,520	76.5	6,544,880
Hardware Lease/Maintenance		0		0		0		0		0		0		0		0		0		0
Software Maintenance/Licenses		0		0		0		0		0		0		0		0		0		0
Contract Services		175,000		175,000		175,000		175,000		175,000		175,000		175,000		175,000		175,000		1,575,000
Data Center Services		584,462		584,462		584,462		584,462		584,462		584,462		584,462		584,462		584,462		5,260,158
Agency Facilities		0		0		0		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0		0		0		0
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	76.5	13,481,838
Continuing Program Costs:																				
Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	45054.0	3,651,985,124
Other		0		0		0		0		0		0		0		0		0		0
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	45054.0	3,651,985,224
TOTAL EXISTING SYSTEM COSTS	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	45130.5	3,655,467,062

Thursday, July 30, 2009

PROPOSED ALTERNATIVE: Web-Based SolutionDepartment of Transportation
Construction Management System

All Costs should be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		FY 2012/13		FY 2013/14		FY 2014/15	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
One-Time IT Project Costs																		
Staff (Salaries & Benefits)	4.2	488,671	2.4	222,441	2.4	522,680	2.4	406,417	2.4	364,417	4.6	545,530	4.6	545,530	4.5	530,986	1.5	176,995
Hardware Purchase		4,251		0		0		0		85,417		0		850,920		0		0
Software Purchase/License		212,250		145,000		0		0		0		0		0		0		0
Telecommunications		0		0		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		0		0		0
Software Customization		0		0		0		0		0		5,393,538		5,736,000		1,865,000		19,680
Project Management/Procurement		259,535		120,513		213,160		288,000		96,000		72,000		0		0		0
Project Oversight		45,000		57,454		51,900		48,000		27,000		36,000		36,000		27,000		30,000
TV&V Services		64,597		35,280		32,130		57,600		32,533		96,000		96,000		72,000		0
Change Manager		0		0		0		0		0		72,000		72,000		56,000		0
Technical Training		0		0		0		0		0		0		28,800		21,200		0
TOTAL Contract Services		369,132		213,247		297,190		393,600		155,533		5,669,538		5,968,800		2,041,200		49,680
Data Center Services		0		0		0		0		194,650		0		0		0		0
Agency Facilities		0		0		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0		0		0
Total One-time IT Costs	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	4.6	6,215,068	4.6	7,365,250	4.5	2,572,186	1.5	226,675
Continuing IT Project Costs																		
Staff (Salaries & Benefits)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	4.0	363,440	4.0	363,440
Hardware Lease/Maintenance		0		0		0		0		0		4,271		70,701		70,701		70,701
Software Maintenance/Licenses		0		0		0		0		0		177,148		177,148		177,148		177,148
Telecommunications		0		0		0		0		0		0		0		0		0
Contract Services		0		0		0		0		0		0		125,000		250,000		250,000
Data Center Services		0		0		0		0		0		541,248		773,592		773,592		773,592
Agency Facilities		0		0		0		0		0		0		0		0		0
Other		0		0		0		0		0		0		0		0		0
Total Continuing IT Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	722,667	0.0	1,146,441	4.0	1,634,861	4.0	1,634,861
Total Project Costs	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	4.6	6,937,735	4.6	8,511,691	8.5	4,207,047	5.5	1,861,537
Continuing Existing Costs																		
Information Technology Staff	8.5	791,638	8.5	791,638	8.5	791,638	8.5	728,092	8.5	728,092	8.5	728,092	8.5	728,092	0.0	0	0.0	0
Other IT Costs		759,462		759,462		759,462		759,462		759,462		759,462		379,731		3,600		3,600
Total Continuing Existing IT Costs	8.5	1,551,100	8.5	1,551,100	8.5	1,551,100	8.5	1,487,554	8.5	1,487,554	8.5	1,487,554	8.5	1,107,823	0.0	3,600	0.0	3,600
Program Staff	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136
Other Program Costs		0		0		0		0		0		0		0		0		0
Total Continuing Existing Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136
Total Continuing Existing Costs	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,263,690	5014.5	407,263,690	5014.5	407,263,690	5014.5	408,883,959	5006.0	405,779,736	5006.0	405,779,736
TOTAL ALTERNATIVE COSTS	5018.7	408,401,540	5016.9	407,907,924	5016.9	408,147,106	5016.9	408,063,707	5016.9	408,063,707	5019.1	414,204,425	5019.1	415,395,650	5014.5	409,986,804	5011.5	407,641,293
INCREASED REVENUES		0		0		0		0		0		0		0		0		0

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Thursday, July 30, 2009

Department of Transportation
Construction Management System

	SUBTOTAL	
	Py's	Amts
One-Time IT Project Costs		
Staff (Salaries & Benefits)	28.8	3,803,666
Hardware Purchase		940,588
Software Purchase/License		357,250
Telecommunications		0
Contract Services		
Software Customization		13,014,218
Project Management/Procurement		1,049,208
Project Oversight		358,354
IV&V Services		486,140
Change Manager		200,000
Technical Training		50,000
TOTAL Contract Services		15,157,920
Data Center Services		194,850
Agency Facilities		0
Other		0
Total One-time IT Costs	28.8	20,454,075
Continuing IT Project Costs		
Staff (Salaries & Benefits)	8.0	726,881
Hardware Lease/Maintenance		216,374
Software Maintenance/Licenses		708,592
Telecommunications		0
Contract Services		625,000
Data Center Services		2,862,024
Agency Facilities		0
Other		0
Total Continuing IT Costs	8.0	5,138,870
Total Project Costs	36.8	25,592,945
Continuing Existing Costs		
Information Technology Staff	59.5	5,267,285
Other IT Costs		4,943,703
Total Continuing Existing IT Costs	59.5	10,230,988
Program Staff	45054.0	3,651,985,224
Other Program Costs		0
Total Continuing Existing Program Costs	45054.0	3,651,985,224
Total Continuing Existing Costs	45113.5	3,662,216,212
TOTAL ALTERNATIVE COSTS	81.3	3,687,809,157
INCREASED REVENUES		0

CMS SPR2

ECONOMIC ANALYSIS SUMMARY

Department of Transportation
Construction Management System

All costs to be shown in whole (unrounded) dollars.

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		FY 2012/13		FY 2013/2014		FY 2014/2015		SUBTOTAL	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
EXISTING SYSTEM																				
Total IT Costs	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	8.5	1,497,982	76.5	13,481,838
Total Program Costs	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	5006.0	405,776,136	45094.0	3,651,985,224
Total Existing System Costs	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	5014.5	407,274,118	45130.5	3,665,467,062
PROPOSED ALTERNATIVE																				
Total Project Costs	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	4.6	6,937,735	4.6	8,511,691	8.5	4,207,068	5.5	1,861,557	36.8	25,592,945
Total Cont. Exist. Costs	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,327,236	5014.5	407,263,680	5014.5	407,263,690	5014.5	407,263,690	5014.5	406,883,959	5006.0	405,779,736	5006.0	405,779,736	45113.5	3,562,216,212
Total Alternative Costs	5018.7	408,401,540	5016.9	407,907,924	5016.9	408,147,106	5016.9	408,063,707	5016.9	408,063,707	5019.1	414,201,425	5019.1	415,395,650	5014.5	409,986,804	5011.5	407,641,293	45150.3	3,587,809,156
COST SAVINGS/AVOIDANCES																				
Increased Revenues	(4.2)	(1,127,422)	(2.4)	(633,806)	(2.4)	(872,988)	(2.4)	(789,589)	(2.4)	(789,589)	(4.6)	(6,927,307)	(4.6)	(8,121,532)	0.1	(2,712,686)	3.0	(367,175)	(19.8)	(22,342,094)
Net (Cost) or Benefit	(4.2)	(1,127,422)	(2.4)	(633,806)	(2.4)	(872,988)	(2.4)	(789,589)	(2.4)	(789,589)	(4.6)	(6,927,307)	(4.6)	(8,121,532)	0.1	(2,712,686)	3.0	(367,175)	(19.8)	(22,342,094)
Cum. Net (Cost) or Benefit	(4.2)	(1,127,422)	(6.6)	(1,761,228)	(8.9)	(2,634,216)	(11.3)	(3,423,805)	(13.6)	(4,213,395)	(18.2)	(11,140,702)	(22.8)	(19,262,234)	(22.8)	(21,974,920)	(19.8)	(22,342,094)		

CMS SPR2

PROJECT FUNDING PLAN

Department of Transportation
Construction Management System

All Costs to be in whole (unrounded) dollars

July 30, 2009

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		FY 2012/13		FY 2013/14		FY 2014/15		SUBTOTALS	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
TOTAL PROJECT COSTS	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	4.6	6,937,735	4.6	8,511,691	8.5	4,207,068	5.5	1,861,557	36.8	25,592,945
RESOURCES TO BE REDIRECTED																				
Staff:	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	1.7	386,501	1.6	386,501	7.5	386,501	5.2	386,501	16.0	1,546,004
Funds:																				
Existing System		0		0		0		0		0				182,165		755,862		755,862		1,693,889
Other Fund Sources		0		0		0		0		0		336,166		492,518		492,518		492,518		1,898,977
TOTAL REDIRECTED RESOURCES	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	1.7	722,667	1.6	1,146,441	7.5	1,634,881	5.2	1,634,881	16.0	5,138,870
ADDITIONAL PROJECT FUNDING NEEDED																				
One-Time Project Costs	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	2.9	6,215,068	3.0	7,365,250	1.0	2,572,186	0.3	226,675	20.8	20,454,075
Continuing Project Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL ADDITIONAL PROJECT FUNDS NEEDED BY FISCAL YEAR	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	2.9	6,215,068	3.0	7,365,250	1.0	2,572,186	0.3	226,675	20.8	20,454,075
TOTAL PROJECT FUNDING	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	4.6	6,937,735	4.6	8,511,691	8.5	4,207,067	5.5	1,861,556	36.8	25,592,945
Difference: Funding - Costs	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	(0)	0.0	(0)	0.0	(0)	0.0	(0)	0.0	(1)
Total Estimated Cost Savings	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0

ADJUSTMENTS, SAVINGS AND REVENUES WORKSHEET (DOF Use Only)

Department of Transportation
Construction Management System

	FY 2006/07		FY 2007/08		FY 2008/09		FY 2009/10		FY 2010/11		FY 2011/12		FY 2012/13		FY 2013/14	
	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts	PYs	Amts
Annual Project Adjustments																
One-time Costs																
Previous Year's Baseline	0.0	0	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	2.9	6,215,068	2.4	800,017
(A) Annual Augmentation/(Reduction)	4.2	1,074,304	(1.9)	(493,616)	0.0	239,182	0.0	(19,853)	0.0	0	0.5	5,415,051	0.1	1,150,182	0.0	0
(B) Total One-Time Budget Actions	4.2	1,074,304	2.4	580,688	2.4	819,870	2.4	800,017	2.4	800,017	2.9	6,215,068	3.0	7,365,250	2.4	800,017
Continuing Costs																
Previous Year's Baseline	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
(C) Annual Augmentation/(Reduction)	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
(D) Total Continuing Budget Actions	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Total Annual Project Budget Augmentation/(Reduction) [A + C]	4.2	1,074,304	(1.9)	(493,616)	0.0	239,182	0.0	(19,853)	0.0	0	0.5	5,415,051	0.1	1,150,182	0.0	0

[A, C] Excludes Redirected Resources

Total Additional Project Funds Needed [B + D]

Annual Savings/Revenue Adjustments

Cost Savings	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Increased Program Revenues		0		0		0		0		0		0		0		0